



Dr. D. Y. Patil Vidyapeeth, Pune

(Deemed to be University)

**(Re-accredited by NAAC with a CGPA of 3.62 on a four point scale at A Grade)
(An ISO 9001: 2008 Certified University)**

**Annual Quality
Assurance Report
(AQAR) – 2016-17**

Submitted to

**National Assessment and Accreditation Council,
Bengaluru, India**

The Annual Quality Assurance Report (AQAR) of the IQAC

(1st July 2016 to 30th June 2017)

Part – A

1. Details of the Institution

1.1 Name of the Institution

Dr. D. Y. Patil Vidyapeeth, Pune

1.2 Address Line 1

Sant Tukaram Nagar

Address Line 2

Pimpri

City/Town

Pune

State

Maharashtra

Pin Code

411 018

Institution e-mail address

info@dpu.edu.in

Contact Nos.

(020) 27805000 / 27805001

Name of the Head of the Institution:

Dr. P. N. Razdan

Tel. No. with STD Code:

(020) 27805011

Mobile:

9764060555

Name of the IQAC Co-ordinator:

Dr. Praveen Kumar Arora

Mobile:

7038490498

IQAC e-mail address:

info@dpu.edu.in

1.3 NAAC Track ID (For ex. MHCOGN 18879)

MHUNGN10146

1.4 NAAC Executive Committee No. & Date:

EC(SC)/05/RAR/053 dated 03rd March 2015

1.5 Website address:

www.dpu.edu.in

Web-link of the AQAR:

www.dpu.edu.in/AQAR2016-17.doc

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	A	3.08	2009	5 Years
2	2 nd Cycle	A	3.62	2015	5 Years
3	3 rd Cycle				
4	4 th Cycle				

1.7 Date of Establishment of IQAC:

DD/MM/YYYY

01/10/2009

1.8 AQAR for the year

2016-17

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC

- i. AQAR 2015-16 submitted to NAAC on 05/06/2017
- ii. AQAR 2016-17 submitted to NAAC on 09/12/2017

1.10 Institutional Status

University State Central Deemed Private
Affiliated College Yes No
Constituent College Yes No
Autonomous college of UGC Yes No
Regulatory Agency approved Institution Yes No

Type of Institution Co-education Men Women
Urban Rural Tribal

Financial Status Grant-in-aid UGC 2(f) UGC 12B
Grant-in-aid + Self Financing Totally Self-financing

Type of Faculty/Programme

Arts Science Commerce Law PEI (Phys Edu)

TEI (Edu) Engineering Health Science Management

Others (Specify)

Biotechnology & Bioinformatics

1.11 Name of the Affiliating University (for the Colleges)

Not Applicable

1.12 Special status conferred by Central/ State Government- UGC/CSIR/DST/DBT/ICMR etc.

Autonomy by State/Central Govt. / University

University with Potential for Excellence	<input type="text"/>	UGC-CPE	<input type="text"/>
DST Star Scheme	<input type="text"/>	UGC-CE	<input type="text"/>
UGC-Special Assistance Programme	<input type="text"/>	DST-FIST	<input type="text"/>
UGC-Innovative PG programmes	<input type="text"/>	Any other	CSIR - SIRO
UGC-COP Programmes	<input type="text"/>		

2. IQAC Composition and Activities

2.1 No. of Teachers	<input type="text" value="11"/>
2.2 No. of Administrative/Technical staff	<input type="text" value="08"/>
2.3 No. of students	<input type="text" value="40"/>
2.4 No. of Management representatives	<input type="text" value="01"/>
2.5 No. of Alumni	<input type="text" value="04"/>
2.6 No. of any other stakeholder and Community representatives	<input type="text" value="04"/>
2.7 No. of Employers/ Industrialists	<input type="text" value="01"/>
2.8 No. of other External Experts	<input type="text" value="02"/>
2.9 Total No. of members	<input type="text" value="70"/>
2.10 No. of IQAC meetings held	<input type="text" value="04"/>

2.11 No. of meetings with various stakeholders: No. Faculty

Non-Teaching Staff Students Alumni Others

2.12 Has IQAC received any funding from UGC during the year? Yes No

If yes, mention the amount

2.13 Seminars and Conferences (only quality related)

(a) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC :

Total Nos. International National State
Institution Level

(b) Themes

2.14 Significant Activities and contributions made by IQAC

1. Preparation for UGC Review inspection
2. Participation in NIRF ranking and scoring
3. ISO 9001:2008 certification
4. Stakeholder Feedback Analysis
5. Research:
 - a) Improvement of quality of research through refining and redefining quality parameters for research as proposed by International and National authorities.
 - b) Inclusion of Bioethical Principles in research as proposed in **UNESCO's "Universal Declaration on Bioethics and Human Rights"**.
 - c) Conduction of **statistics and research methodology workshops** for teaching faculty members and post graduate students.
 - d) Financial assistance for research and publications.
6. Academics:
 - a) Regular microteaching sessions for teaching faculty to enhance teaching skills.
 - b) Vertical and horizontal integrated teaching.
 - c) Training of teaching faculty on new audio-visual aids.
 - d) Training of teaching faculty on Bioethical teaching in view of new bioethics curriculum incorporated in various institutions. Hands on session.
 - e) Screening camps for practical exposure
 - f) Summer internship programs in different places.
7. Intake of B. Optom increased from 40 to 50 seats.
8. Regular training of all teaching, non-teaching staff, students, nurses and other hospital staff on **Infection Control Processes and 'Hand Hygiene'**.
9. Student Mentorship Program involving student Counselling sessions.
10. Assessment/Feedback by students, parents and alumni on academic and other quality related institutional processes.
11. Strengthening of Enterprise Resource Planning (ERP) and Hospital Information System (HIS)
12. Initiated the revision of Standard Operating Procedures (SOP) by various committees.
13. Preparation of comprehensive quality improvement program in academics.
14. Student Counselling session
15. Assessment of staff by students
16. Reward in the form of internal assessment marks
17. Webinar meetings
18. Financial assistance for publications

19. Nursing college organised three workshops.
20. Various activities like workshop, guest lecture, CPE etc are planned in the beginning of academic year and executed by the event coordinator in association with IQAC
21. Strengthening of Enterprise Resource Planning (ERP)

2.15 Plan of Action by IQAC/Outcome

Sr.no.	Plan of Action	Achievements
1	Preparation for MCI inspection for final recognition of MBBS Degree against the increased intake from 150 to 250.	<p>MCI conducted inspections on 10th December 2016 and 6th & 7th February 2017.</p> <p>MBBS degree against increased seats from 150 to 250 has been recognized by Ministry of Health & Family Welfare, Govt. of India on the recommendation of Medical Council of India vide letters mentioned under:-</p> <p><u>MCI Letter No.</u> MCI -37(1)(Recog17)(UG)/2017-Med./100813 dated 07-04-2017.</p> <p><u>Govt. of India letter No.</u> U.12012/224/2015-ME-1 (FTS.3101873) dated 05-05-2017.</p>
2	Preparations for MCI inspections for increase of PG Degree seats in : <ul style="list-style-type: none"> • General Medicine • Respiratory Medicine • Anaesthesiology 	<p>MCI conducted inspections in June/July/August 2017. Permission granted for increase of seats as under:-</p> <p>General Medicine : From 17 to 24 Respiratory Medicine : From 3 to 6 Anaesthesiology : From 9 to 15</p>
3	Preparations for MCI inspections recognition of PG Diplomas in Obstetrics & Gynaecology (DGO), Paediatrics (DCH) and Emergency Medicine Degree (MD).	MCI conducted inspection in February 2017 and have recognized the said qualifications.
4	Preparations for MCI inspections for Starting of : <ul style="list-style-type: none"> • M.Ch. (Cardio Vascular and Thoracic Surgery) • D. M. (Cardiology) <p>Preparations for MCI inspections for increase of intake capacity in:</p> <ul style="list-style-type: none"> • M. Ch. Neurosurgery • M. Ch. Urology • D. M. Nephrology 	<p>MCI conducted inspections in February 2017. Permission granted for starting of M. Ch. (CVTS) and D. M. (Cardiology) with 2 seats in each subject.</p> <p>MCI conducted inspections in January 2017. Permission granted for increase of seats as under:-</p> <p>M. Ch. Neurosurgery : From 1 to 3 M. Ch. Urology : From 2 to 4 D. M. Nephrology : From 1 to 3</p>

5	Improvement in Infrastructure	<ul style="list-style-type: none"> Majority of wards have been shifted to the New Hospital Building. Room for digital mammography. Room for dialysis. 128 slice CT Scan machine. <p>New Research labs: (i) Cancer and Translational Research Lab. (ii) Molecular Biology and Genetics Lab. (iii) Protein Biochemistry Lab.</p>																		
6	Purchase of New Equipment	College : Rs. 88,40,227/- Hospital : Rs. 29,44,91,968/- ----- Total : Rs. 30,33,32,195/- =====																		
7	Faculty Development Programmes	Faculty trained in 2016-17 : 178 Staffs are deputed for conferences																		
8	Incentives and Motivation for research Publication	Cash incentives are given for research publications. International Rs. 5000/- per article and national Rs. 3000/- per article. <p style="text-align: center;">Year : 2016-2017 : - 506 No. of Publications</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Incentive amt.</td> <td style="width: 30%;"></td> <td style="width: 30%;"></td> </tr> <tr> <td>National</td> <td style="text-align: center;">:- 209</td> <td style="text-align: right;">Rs. 627000</td> </tr> <tr> <td>International</td> <td style="text-align: center;">:- 297</td> <td style="text-align: right;">Rs. 1485000</td> </tr> <tr> <td></td> <td style="text-align: center;">=====</td> <td style="text-align: right;">=====</td> </tr> <tr> <td></td> <td style="text-align: center;">Total :- 506</td> <td style="text-align: right;">Rs.21,12,000/-</td> </tr> <tr> <td></td> <td style="text-align: center;">=====</td> <td style="text-align: right;">=====</td> </tr> </table>	Incentive amt.			National	:- 209	Rs. 627000	International	:- 297	Rs. 1485000		=====	=====		Total :- 506	Rs.21,12,000/-		=====	=====
Incentive amt.																				
National	:- 209	Rs. 627000																		
International	:- 297	Rs. 1485000																		
	=====	=====																		
	Total :- 506	Rs.21,12,000/-																		
	=====	=====																		
9	Student welfare	a) Student Counselling session b) Reward in the form of internal assessment marks c) Power points with Clinical Case Illustrations. d) Personality Development Sessions, Career Guidance, DPU Nite (Intercollegiate Cultural Event) e) Mentorship Program f) Fresher student Program g) Farewell student program																		
10	To improve the quality of Teaching.	a) Assessment of staff by Student b) Encouraging Staff to Attend Teacher training Programme c) Micro teaching Sessions d) Conducting integrated Teaching. e) Case Based Learning f) Problem Based Learning																		
11	Student exposure to the state of the art Knowledge.	a) Inviting renowned Faculty for the Guest Lectures. b) Holding Webinar meets c) Encouraging Students to attend the Conferences																		

12	Promoting the staff to attend Conferences and Symposium.	a) Providing Financial Assistance.
----	--	------------------------------------

** Calendar of the Activities of IQAC for the year annexed as Annexure I.*

Whether the AQAR was placed in statutory body **Yes** **No**

Management Syndicate **Board of Management**

Provide the details of the action taken

- Formulation of Research Policy Document
- Research and Teaching Awards
- Revision of SOPs of various committees
- Incorporation of Bioethics Curriculum
- Regular updation of records

Part – B

Criterion – I

1. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	6	-	6	0
PG	47	-	47	0
UG	8	-	8	0
PG Diploma	12	-	12	0
Advanced Diploma	0	2	2	2
Diploma	1	-	1	0
Certificate	4	4	8	8
Others				
Super Speciality (D.M./M.Ch.)	3	2	5	0
Fellowship	2	2	4	4
Total	83	10	93	14
Interdisciplinary	1	1	2	0
Innovative	0	2	2	0

** The Clinico Pathological Conferences and Clinical Meetings are held monthly.*

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options

GBSRC

- Optional papers right from the 1st semester
- Innovative Teaching-Reading-Presentations method of teaching

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	23
Tri-semester	0
Annual	46

1.3 **Feedback from stakeholders*** Alumni Parents Employers Students

(On all aspects)

Mode of feedback : Online Manual Co-operating schools (for PEI)

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

- Inclusion of **Bioethics Curriculum** based on UNESCO's Universal Declaration on Bioethics and Human Rights.
- Restructuring of syllabi
- Inclusion of '**Hand Hygiene**' lectures and practical in Microbiology syllabus for MBBS Students.
- Inclusion of historical aspects and recent advances
- Competency based learning
- Integrated teaching
- Problem based learning
- Introduction to statistical packages for UG and PGs
- Skill Lab exercises.
- Pharmacovigilance –
- Sensitising the students to the concept of Adverse Drug Reactions (ADR) monitoring. Learning injection techniques on mannequins.
- The live animal experiments have been replaced by computer simulated learning.
- Ward rounds.
- UG Syllabus inclusion of lecture on Disaster and mass casualty management and interventional radiology.
- **Hospital & Healthcare Management & Operations & Supply Chain Management** have been introduced in the Syllabi.
- In view of research & industrial needs, to make the syllabus relevant to current trends in biotechnology and bioinformatics.
- Inclusion of **Research Methodology & biostatistics & Law of Optometry** in UG Syllabus.

1.5 Any new Department/Centre introduced during the year. If yes, give details.

- Department of Cardiology :
Annual intake sanctioned by MCI for D. M. Course is 2 students.
- Department of Cardio Thoracic and Vascular Surgery :
Annual intake sanctioned by MCI for M. Ch. Course is 2 students.

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
757	252	110	161	234

2.2 No. of permanent faculty with Ph.D.

DM / M.Ch.	40
Ph.D/ MD / MS / MDS	538

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
74	7	15	1	12	2	154	0	255	10

2.4 No. of Guest and Visiting faculty and Temporary faculty

No. of Guest Faculty	Visiting faculty	Temporary faculty
18	34	10

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	75	277	149
Presented papers	35	95	21
Resource Persons	14	29	21

2.6 Innovative processes adopted by the institution in Teaching and Learning:

- Flip classes have been introduced for UG students
- Cadaveric workshops for clinical departments
- Integrated Teaching: Horizontal and vertical integrated teaching programmes.
- Mock Court Procedures
- Problem based learning
- Case Based Learning
- Evidence based medicine.
- OSCE and OSPE.
- Small group teaching
- Visit to various Institution such as water works, blind schools, etc.
- Structured skill based programmes in skill labs for UG, PG & Interns
- Six monthly reviews.
- Animations, videos and photographs are used for teaching
- Microteaching
- Live projects and role plays in Biotechnology.
- Online examination (STE) & Tele Classrooms in Optometry
- Industrial and academic visits to update cutting edge technology
- Students' group discussion, seminars and presentations.
- Enterprise Resource Planning (ERP)
- The Institute has developed its own ERP
- Teachers upload Lesson plan and Power Point Presentations
- These can be accessed by the students
- Provides self-study approach towards the curriculum
- Useful resource material for review before examination
- Systemic Review As LD has been introduced for M.D.S. Part I students during the academic year 2016-17 for the first time. Step by step Teaching learning session were conducted (one per month). Monitoring of the professors was done very month.
- Live projects, videos, group discussions, presentations, simulations, role plays etc.
- Animated video teaching.
- Demonstration in clinical laboratory.
- Experts are invited from time to time to deliver lectures on various topics such as mobilization technique – Manual Therapy, Aerobic training, Power yoga, Antenatal postnatal fitness training, Personality development, Learn to Meditate.
- Learning is made student-centric as Local Area Network (LAN) is made available which helps in e-learning.

2.7 Total No. of actual teaching days during this academic year:

Sr. No.	Name of the College	Actual Teaching Days during Academic Year
1.	Dr. D. Y. Patil Medical College	294
2.	Dr. D. Y. Patil Dental College	263
3.	Dr. D. Y. Patil Biotechnology and Bioinformatics Institute	200
4.	Global Business School and Research Centre	267
5.	Dr. D. Y. Patil College of Nursing	245
6.	Dr. D. Y. Patil College of Physiotherapy	UG – 248, PG - 261
7.	Dr. D. Y. Patil Institute of Optometry and Visual Sciences	243

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

- OSCE, OSPE for internal assessment and ward learning examination.
- One liner in place of MCQs.
- Structured LAQs (Long Answer Question)
- Ward rounds in clinical subjects for PG examinations.
- Formative and summative internal assessment
- Uniformity in pattern of question paper with one compulsory problem-based question.
- Clinical problem based questions in pre-clinical subjects.
- Double evaluation started for University examination
- Online monthly examination (Total - 103)
- Bar Coding.
- Student trial exam/IACLE & Mastermind – Online in Optometry.
- Continuous evaluation & end semester examination @ 40:60 in Management Programs

2.9 No. of faculty members involved in curriculum restructuring / revision / syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

Sr. No.	Name of the College	Curriculum Restructuring	Revision	Syllabus Development
1.	Dr. D. Y. Patil Medical College	91	91	17
2.	Dr. D. Y. Patil Dental College	42	25	38
3.	Dr. D. Y. Patil Biotechnology and Bioinformatics Institute	15	15	15
4.	Global Business School and Research Centre	12	12	12
5.	Dr. D. Y. Patil College of Nursing	02	02	02
6.	Dr. D. Y. Patil College of Physiotherapy	05	05	0
7.	Dr. D. Y. Patil Institute of Optometry and Visual Sciences	7	7	5

2.10 Average percentage of attendance of students

Sr. No.	Name of the College	Percentage of Attendance of Students
1.	Dr. D. Y. Patil Medical College	UG- 75%, PG - 95%
2.	Dr. D. Y. Patil Dental College	UG – 85%, PG – 95%
3.	Dr. D. Y. Patil Biotechnology and Bioinformatics Institute	75%
4.	Global Business School and Research Centre	75%
5.	Dr. D. Y. Patil College of Nursing	80%
6.	Dr. D. Y. Patil College of Physiotherapy	80%
7.	Dr. D. Y. Patil Institute of Optometry and Visual Sciences	75%

2.11 Course/Programme wise distribution of pass percentage :

Title of the Programme	Total no. of students appeared	Division					
		Total Pass	Distinction %	I %	II %	III %	Pass %
<u>Undergraduate : MBBS</u>							
First MBBS – July 16 Oct. 16	274	268	NA	NA	NA	NA	97.81
Second MBBS – Nov. 16	230	197	NA	NA	NA	NA	85.65

3 rd MBBS : Part I (Nov.16)	266	194	NA	NA	NA	NA	72.93
3 rd MBBS : Part II(Nov.16) (Feb. 17)	228	218	NA	NA	NA	NA	95.61
<u>Postgraduate Degree :</u> (May 17)							
MD Anatomy	2	1	NA	NA	NA	NA	50
MD Physiology	1	1	NA	NA	NA	NA	100
MD Biochemistry	--	--	--	--	--	--	
MD Pharmacology	2	2	NA	NA	NA	NA	100
MD Pathology	8	7	NA	NA	NA	NA	87.5
MD Microbiology	1	1	NA	NA	NA	NA	100
MD Medicine	15	12	NA	NA	NA	NA	80
MD Paediatric	12	10	NA	NA	NA	NA	83.33
MD Psychiatry	3	3	NA	NA	NA	NA	100
MD Pulmonary Medicine	2	2	NA	NA	NA	NA	100
MD Skin & VD (Dermatology, Venereology & Leprosy)	7	5	NA	NA	NA	NA	71.43
MS Surgery	12	11	NA	NA	NA	NA	91.67
MS Orthopaedics	7	6	NA	NA	NA	NA	85.71
MS Ophthalmology	4	4	NA	NA	NA	NA	100
MS ENT	3	3	NA	NA	NA	NA	100
MS Obst. & Gynaecology	8	7	NA	NA	NA	NA	87.50
MD Anaestehsiology	7	7	NA	NA	NA	NA	100
MD Radiology	9	8	NA	NA	NA	NA	88.89
M.D. – Emergency Medicine	2	2	NA	NA	NA	NA	100
MCh Neurosurgery	1	1	NA	NA	NA	NA	100
MCh Urology	1	1	NA	NA	NA	NA	100
DM Nephrology	--	-	--	--	--	--	
<u>Postgraduate Diploma :</u> (May 17)							
DGO (Obst. & Gynaecology)	3	2	NA	NA	NA	NA	66.67

D. Ortho. (Orthopaedics)	2	2	NA	NA	NA	NA	100
D. O. (Ophthalmology)	2	2	NA	NA	NA	NA	100
D.L.O. (ENT)	1	1	NA	NA	NA	NA	100
D.C.H. (Paediatrics)	3	3	NA	NA	NA	NA	100
D.A. (Anaesthesiology)	2	2	NA	NA	NA	NA	100
D.M.R.D. (Radiology)	2	2	NA	NA	NA	NA	100
D.D.V.L. (Skin & VD)	2	2	NA	NA	NA	NA	100
D.C.P. (Pathology)	1	0	NA	NA	NA	NA	0
D.P. H. (PSM)	-	-	NA	NA	NA	NA	-
D.P. M. (Psychiatry)	1	1	NA	NA	NA	NA	100
D.T.C.D. (Pulmonary Medicine)	1	1	NA	NA	NA	NA	100
I.B.D.S. - July 2017	104	89	NA	NA	NA	NA	85.57
II B.D.S.- May 2017	97	78	NA	NA	NA	NA	80.41
III B.D.S. - May 2017	86	85	NA	NA	NA	NA	98.83
IV/ I B.D.S.- May 2017	18	12	NA	NA	NA	NA	66.66
IV/II B.D.S.- May 2017	95	89	NA	NA	NA	NA	93.68
M.D.S. 2017	49	49	00	17	32	00	100 %
B.Sc. Nursing (May 17)	41	40	5	35	NA	NA	97.56
P.B.B.Sc. Nursing (May 17)	27	27	1	24	2	NA	100
M.Sc. Nursing (May 17)	16	15	2	13	NA	NA	93.75
BPT (June-2016)	52	52	NA	NA	NA	NA	100
MPT(June-2016)	36	35	NA	NA	NA	NA	97.22
BPT (Dec-2016)	3	3	NA	NA	NA	NA	100
MPT (Dec-2016)	1	1	NA	NA	NA	NA	100

OPTOMETRY COLLEGE							
B. Optom Sem I. Dec 16	49	34					69.39
B. Optom Sem II. May 17	53	34					64.151
B. Optom Sem III. Dec 16	42	31					73.81
B. Optom Sem IV. May 17	41	31					75.61
B. Optom Sem. V. Dec 16	40	39					97.5
B. Optom Sem VI. May 17	40	40					100
B. Optom IV year Final Year (Internship) Professional	43	43					100
MBA (Sem. IV) (May 17)	62	58					93.55

BIOTECH & BIOINFORMATICS COLLEGE

Title of the Programme	Total no. of students appeared	Total Pass	A+	A	B+	B	C+	C	D
Final B.Tech Bioinformatics (May 17)	1	1				1			
Final B.Tech Biotechnology (May 17)	45	45	5	19	17	4			
Final B.Tech Medical Biotechnology (May 17)									
Final M.Tech (Integrated Biotechnology) (May 17)	22	22	1	9	11	1			
Final M.Sc. Biotechnology (May 17)	27	27	1	10	11	5			

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:

- Feedback from stake holders:
 - Feedback from Alumni
 - Feedback from Students related to Subject
 - Feedback from Students related to Faculty
 - Feedback from Parents
- Interaction with faculty regarding suggestions for improvement.
- Participation in meetings of various Education Units: UCPEFD, MET, DEU, etc.
- Guest Lectures on curricular aspects.
- Analysis of examination results
- Formulation of UG and PG training committee
- Mentorship system
- Conduct of Remedial Drills
- Doubt Clearing Sessions
- Implementation of assorted methods of assessment –
 - Short Projects
 - MCQs
 - Case Based Learning (concept maps)
 - Quiz Competition
- Well structured logbooks for postgraduates and work journals for undergraduates
- IQAC conducts meeting to apprise about the achievement and scope of improvement in the teaching and learning process
- Student performance in tutorials/exams.
- IQAC monitors the teaching learning process using academic calendar and event calendar of the college, and also through various academic committees.
- Students are evaluated from time to time to know their understanding level
- Internal examinations are conducted twice in a year for undergraduates –Terminal and Preliminary for annual pattern and unit test and prelims for semester pattern Examinations.
- Apart from this, undergraduate students are assessed regularly by conducting surprise tests, ward exams, quiz, case presentations, Journal writing, assignments
- For Postgraduate students prelim examination was conducted during each semester period.
- It is necessary to maintain log book for post graduate students and they were assessed as per the requirements of the log book. Seminars, teaching activity, journal clubs, assignments, case presentations, camps, marks in the internal assessment examination, Publications, Presentations in conferences are recorded in the log book.
- Summative Assessment:- Undergraduate and Postgraduate students are assessed at the end of every academic year / semester by conducting university theory and practical examination
- Well structured logbooks for postgraduates and work journals for undergraduates.

2.13 Initiatives undertaken towards faculty development :

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	512
UGC – Faculty Improvement Programme	29
HRD programmes	2
Orientation programmes	143
Faculty exchange programme	2
Staff training conducted by the university	251
Staff training conducted by other institutions	363
Summer / Winter schools etc.	0
Workshops	113
Others	197

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	559	3	5	12
Technical Staff	293	5	1	4

Criterion – III

3. Research, Consultancy and Extension

3.1. Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

- Formulation of Research Advisory Board
- Establishment of State-of-Art Research Centre with Sophisticated equipment exclusively for research.
- Formulation of Standard Operating Procedures for Research Unit.
- Incentives for faculty, PG students and UG students for publication of International and national papers.
- Deputation of faculty, PG students and UG students for attending international/national and state level conferences.
- Motivation of UG students to undertake ICMR short term research projects.
- Research Methodology Workshops-synopsis writing / dissertation writing /guidelines for publication.
- Motivation of faculty to undertake major research projects - ICMR/DST/DBT/ UGC, etc.
- Structured Pre-Ph.D. Course
- Well established Anti plagiarism policies
- Latest equipments purchase like Aqua ciser, Fat Analyser for research purpose.
- Workshops on Bioethics and research methodology for faculty and students.
- The institution allows all the research scholars to make use of the available infrastructure free of cost.
- Allocation of funds is made to the research departments in the total budge to purchase research journals, research-oriented books and research facilitating instruments and equipments to support the students doing research.
- Fees collected from research scholars are mainly utilized for improvement of infrastructure and other facilities for research departments
- Provides ethical and R& R committee clearance and guidance as necessary
- Latest equipments purchase like Aqua Ciser, Fat Analyzer for research purpose.
- Skills Lab and laboratories to promote research
- Bioethics & research seminar in medical college auditorium for stuff.

3.2. Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	7	73	15	12
Outlay in Rs. Lakhs	117.50	430.10	179.38	507.00

3.3. Details regarding minor projects (ICMR-STS Projects)

	Completed	Ongoing	Sanctioned	Submitted
Number	3	22	18	3
Outlay in Rs. Lakhs	1.38	3.86	2.89	1.13

3.4. Details on research publications

	International	National	Others
Peer Review Journals	266	194	16
Non-Peer Review Journals	31	13	-
e-Journals	-	3	-
Conference proceedings	15	2	-

3.5. Details on Impact factor of publications:

Range	<input type="text" value="0.01 - 47.831"/>	Average	<input type="text" value="-"/>
h-index	<input type="text" value="27"/>	Nos. in SCOPUS	<input type="text" value="302"/>

3.6. Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major Projects (>1.0 lacs)	2	RNTCP	1,98,000/-	98,000/-
	1	ICMR, Delhi	20,000/-	--
	3 years	Dr. D. Y. Patil Vidyapeeth, Pune & Johns Hopkins/NIH/NAID	USD 187472 = INR 12185680/- @ 65	60,70,771
		SERB	8029277	2164457
		FORMAS	1273757	555659
		DBT	71332000	23466000
Minor Projects	2 years	01 DPU	1,00,000/-	
Interdisciplinary Projects	-	-	-	-
Industry sponsored	3 years	IPCA	3,25,000	75,000
Projects sponsored by the University/ College	3 years	Dr. D. Y. Patil Vidyapeeth, Pune	1,97,36,000	1,74,94,000
Students research projects	1 Year	ICMR STS	1,10,000	50,000
Any other (Travel Grant)	2016-17	European Society for medical Oncology	60,000/- INR	60,000/- INR
Total			9,35,13,714	5,00,33,887

(* in the form of material

3.7. No. of books published i) With ISBN No. Chapters in Edited Books

ii) Without ISBN No.

3.8. No. of University Departments receiving funds from

UGC-SAP CAS DST-FIST

DST Scheme/funds DPE DBT Scheme/funds

3.16. No. of patents received this year :

Type of Patent		Number
National	Applied	2
	Granted	--
International	Applied	2
	Granted	--
Commercialised	Applied	--
	Granted	--

3.17. No. of research awards/ recognitions received by faculty and research fellows of the institute in the year

Total	International	National	State	University	Dist	College
22	5	8	3	2	1	3

3.18. No. of faculty from the Institution

Who are Ph. D. Guides

and students registered under them

3.19. No. of Ph.D. awarded by faculty from the Institution

3.20. No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF SRF Project Fellows Any other

3.21. No. of students Participated in NSS events:

University level	<input type="text" value="461"/>	State level	<input type="text" value="1"/>
National level	<input type="text" value="--"/>	International level	<input type="text" value="--"/>

3.22. No. of students participated in NCC events:

University level	<input type="text" value="--"/>	State level	<input type="text" value="--"/>
National level	<input type="text" value="--"/>	International level	<input type="text" value="--"/>

3.23. No. of Awards won in NSS:

University level	<input type="text" value="--"/>	State level	<input type="text" value="3"/>
National level	<input type="text" value="--"/>	International level	<input type="text" value="--"/>

3.24. No. of Awards won in NCC:

University level	<input type="text" value="--"/>	State level	<input type="text" value="--"/>
National level	<input type="text" value="--"/>	International level	<input type="text" value="--"/>

3.25. No. of Extension activities organized

University forum	<input type="text" value="2"/>	College forum	<input type="text" value="436"/>
NCC	<input type="text" value="--"/>	NSS	<input type="text" value="12"/>
		Any other	<input type="text" value="--"/>

3.26. Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

- Diagnostic health camps (105)
- Blood donation camps (31)
- Public Awareness Programmes in different hospitals
- World Breastfeeding week celebration
- Yashoda Milk Bank
- Adolescent health education
- Care of malnourished children
- Immunization camps
- Eye donation Awareness Programme
- Body donation awareness programme
- Health education regarding breast cancer.

- Clinics at Rural Health Training Centre and Urban Health Training Centre.
- Participation in all national health programmes.
- Programmes for geriatric health (camps).
- Rajiv Gandhi Jeevandai Arogya Yojana.
- Sharada Gram Yojana (8 villages adopted).
- Training of Anganwadi workers.
- Evening Dental Clinic (EDC) facility available for industrial workers and office goers
- 4 Satellite Dental Clinics at Alandi, Chakan, Yarwarda and Kamshet.
- Treatment centre at Yerwada Central Jail caters to the inmates.
- Offering Community oriented dental treatments free dental treatment camps.
- Mobile Dental Clinic.
- Free Investigations, food and drugs at concessional prices to the patients
- Special concession (25% to 100%) on treatment charges, which accounts for 10% annual revenue generated.
- Environmental Safety and Cleanliness Programme
- Pulse Polio immunization campaign and health awareness programmes
- Workshop on AIDS Awareness.
- Education of the masses regarding 'Organ Donation'.
- Tooth brushing day ,World Health Day , World Hepatitis day organized by the college
- Vaccination programme for Hepatitis B
- Extension Dental OPD in D. Y. Patil Hospital and Ayurvedic college.
- Dental College provides treatment at concessional rates.
- All major Maxillofacial surgeries are FREE of cost.
- Free Dental treatment for all teaching and non-teaching staff and their family members.
- Run For Unity
- International Day of Yoga
- International Women's Day- Physiotherapy Camp for Women
- Breast feeding awareness week
- World Health Day
- Blood Donation Camp
- Camp/art of living-3 days short term course
- Conducted eye and vision screening camps -15
- Off campus visit to specialized centres in contact lenses, Chandra Shekhar Eye Institute.

- Participation and Observation of National Health Days 16-17

Date	Health Day	Activity
10/07/2016	Safe Motherhood Day	Exhibition
28/07/2016	World Hepatitis Day	Role Play
01/08/2016	World Breast Feeding Awareness Week	Poster Exhibition
21/09/2016	World Alzheimer's Day	Puppet Show
29/09/2016	World Heart Day	Exhibition
10/10/2016	World Mental Health Day	Street Play
15/10/2016	World Obesity Awareness week	Lecture
16/10/2016	World Food Day	Demonstration
10/11/2016	World Immunisation Day	Exhibition
14/11/2016	World Diabetes Day	Screening Cum Exhibition
01/12/2016	World AID's Day	Rally for awareness
04/02/2017	World Cancer Day	Role Play & Exhibition
15/03/2017	World Disabled Day	Exhibition
24/03/2017	World TB Day	Role Play
07/04/2017	World Health Day	Exhibition
24/04/2017	World Meningitis Day	Lecture
07/05/2017	World Asthma Day	Exhibition

Criterion – IV

4. Infrastructure and Learning Resources

4.1. Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	42.5	--	University funds	42.5 Acres
Class rooms	59	-	University funds	59
Laboratories	90	-	University funds	90
Seminar Halls	69	-	University funds	69
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	2272	162	University funds & Research Grants	2434
Value of the equipment purchased during the year (Rs. in Lakhs)	5482.87	4197.76	University funds & Research Grants	9680.63
Others	20 Museum	--		20 Museum

4.2. Computerization of administration and library:

All the administrative activities are computerized are functional and services are computerized and automated.

- Faculty Profile
- Students Profile
- Online Feedback System
- Patient Registration
- Admission
- Examinations result
- Issue of Certificates
- Online books and journals retrieval
- Internet and Wi-fi enabled administrative office, college, hospital, library and hostels
- Administrative staff uses computer all work such keeping college related documents.
- In-house developed Campus ERP is in use by students, faculty members, departments and Library.
 - Online access to library through Student/ Faculty Dashboard
 - Library Transactional history of the members

- Online OPAC system available in the login areas of Students/Faculty
- Information of new arrivals received through SMS & through Campus ERP Dashboard.
- Notices regarding Library
- Barcode system for easy issue and deposit
- Computers kept in library for updating library records.

4.3. Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	38263	32530240.83	3234	6492900.15	41497	39023140.98
Reference Books	17376	6492900.15	867	3522842.85	18096	30553589.14
e-Books	224	0	0	0	200	0
Journals	380	15243674	263	13230829	643	28474503
e-Journals	2119	162302	21	0	2140	162302
Digital Database	1	775169	0	0	1	775169
CD & Video	2508	5020	77	0	2585	5020
Others (specify)	0	0	0	0	0	0

4.4. Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	749	89	155 MBPS & 1 GBPS	6	5	83	34	58
Added	174	29	150 MBPS	0	0	7	1	10
Total	923	118	1 GBPS 305 MBPS	6	5	90	35	68

4.5. Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-Governance etc.)

- Internet access to each department, section and lecture theatres and hospital campus.
- LAN and Wi-fi connectivity
 - The University has structured LAN facility Whole network is in 3 tier architecture comprising of the Core, Distribution & Access. All the end users/workstation is connected through 10/100/1000 base ports. All the LAN attached users are connected to the Access Switch Based on the VLAN & Security Policies associated to them.
 - Hardware:
Router:
 - Juniper J6350- 1no**Firewall:**
 - Juniper SRX 650- 1no**Switches:**
 - Juniper 4200 L3 Stackable Core Switch- 2 no's
 - Juniper 3200 L3 Distribution Switch- 3 no's
 - Juniper 2200 L2 Switch – 1 no.
- The University campus is fully Wi-Fi enabled with high speed internet connectivity. The Wi-Fi Access Points are connected to the access Switches on a different VLAN. A Wi-Fi Controller is deployed in DC which is controlling all Wi-Fi Access Points in the Network. The WI-Fi controller has its default gateway as Core Switch IP and will be terminated on the Core Switch interface.
 - Hardware:
 - Juniper WLC880R Wi-Fi Controller – 1no
 - Access Points: Supporting IEEE 802.11.a/b/g 11-54mbps -150 no's.
- E-learning facility for the students as well as faculty.
 - Learning resources such as library and information centre,
 - E-Resources, internet and Wi-Fi facilities,
 - CCTV for online supervision and monitoring of clinical activities,
 - Videoconferencing for academic and other purposes,
 - Software for various academic, clinical and research programmes etc.
 - To maximize the use of Campus ERP system to enable better management and paperless environment.
 - Implementation of the Hospital Information Management System is in progress

- Virtual Class room facility in Lecture Halls.
 - The University deploys the E-learning solution for the Teaching faculty and student that's called IVR solution. In this system digital board installed with Cybernetxy device installed in the all classroom to provide the virtual learning facility.
- Training by IT Department
- Computer Assisted Learning (CAL)
 - The University has deployed the Proprietary software with the help of VLSC open licensing Campus agreement of Microsoft.
- Webinars
- ERP
- Lesson Plan
- Student Feedback
- HIS – Hospital Information System
- UG and PG students during their first year learn about computer in details.
- Training to Teaching and Non-teaching staff on ERP system
- UG and PG students during their first year learn about computer in detail.

4.6. Amount spent on maintenance in lakhs :

(a) ICT	69.419
(b) Campus Infrastructure and facilities	724.661
(c) Equipments	60.037
(d) Others	1392.918
Total :	2247.035

Criterion – V

5. Student Support and Progression

5.1. Contribution of IQAC in enhancing awareness about Student Support Services

- There is adequate representation of undergraduate and postgraduate students on various committees of IQAC. These Committees meet regularly and formulate various policies. Students' representatives are nominated by the Dean on each of above Committee.
 - Anti Ragging Committee
 - Anti Ragging Squad
 - Grievance Redressal Cell
 - Committee for Prevention of Harassment of Women
 - Website Committee
 - Student Council
 - Physical Education Committee
 - Library Committee
 - Parents Teachers Meeting Committee
 - Mentorship Committee, etc.
- Training in soft skills
- Formulation of specific guidelines regarding incentives for student participation in various conferences
- Local Language training session
- Students' active participation in scientific meetings
- Infection control committee – Hepatitis B Vaccination Programme
- Zero dental problems is a program introduced for dental studies in the year December 2014. Every year the oral examination is conducted and the student is motivated to take the necessary treatment. This is repeated every year for five treatment. When the student in the college with the idea that when the student graduate he/ she will have Zero dental problems.

5.2. Efforts made by the institution for tracking the progression

Following events are regularly organized for students:

- Website
- Email
- Telephonic calls
- Alumni meet
- Directory
- Mentorship System
- Summative and formative Evaluation for academic purpose.
- Mentorship reports, Parent –Teacher Meet, Cumulative records.
- Placements in reputed institute.
- Social media is used to monitor like Whatsapp etc.
- Regular contact sessions with students and progress report is taking and updated.

5.3. (a) Total Number of students

UG	PG	Ph. D.	Others
2991	1038	101	39

(b) No. of students outside the state

1843

(c) No. of international students

54

Men	No	%
	1416	35.15%

Women	No	%
	2613	64.85%

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
3254	129	35	376	0	3756	3408	141	25	455	0	4029

Demand Ratio and Drop out Academic Year 2016-17

Course Name	Demand Ratio	Drop Out
S. Speciality	1 : 1	Nil
AIPGMET	1 : 3	Nil
AIPGDET	1 : 3	Nil
MBBS	1 : 10.2	0.07 %
BDS		0%
BPT	1:8.1	0 %
B.Optom	1 : 1.5	0 %
B.Sc. Nsg	1 : 10	2%
PB.B.Sc. Nsg	1 : 1.5	0 %
Biotechnology	1 : 3	2 – 3 %
MPT	1 : 6.66	0 %
M.Sc. Nsg	1 : 1.5	0 %
M.Sc. Biotechnology	1 : 2.5	0 %
MBA	1 : 1	0 %

5.4. Details of student support mechanism for coaching for competitive examinations (If any)

- Guidance for student appearing for competitive examinations such as USMLE, PLAB. There is a positive response to the extent of 50% attendance for the sessions, out of which around 60% are able to succeed at the USMLE exam at the first attempt.
- Students have also been given coaching for NET / GATE exam
- Aptitude tests are taken for improvement of mathematical and reasoning ability of students
- IELTS (International English Language Testing System) for Nursing Students which facilitates overseas placements.
- DBT-BET (Multiple choice question) test has been conducted.

No. of students beneficiaries

5.5. No. of students qualified in these examinations

NET	<input type="text" value="104"/>	SET/SLET	<input type="text" value="--"/>	GATE	<input type="text" value="2"/>	CAT	<input type="text" value="--"/>
IAS/IPS etc	<input type="text" value="--"/>	State PSC	<input type="text" value="--"/>	UPSC	<input type="text" value="--"/>	Others	<input type="text" value="17"/>

5.6. Details of student counselling and career guidance

- Mentorship system
- Remedial drills for slow learners.
- Formative Evaluation
- Mid-diagnostic survey
- Doubt clearing sessions
- E-communication and letters to parents regarding student performance
- Psychological counselling for students
- Mind relaxation strategy like Personality Development, Guest Lectures by Brahmakumaris and Art of Living.
- Career guidance sessions : Availability of various superspeciality courses, fellowships and placements.
- Career guidance and placement committee meeting are held.
- Career guidance and placement expert delivered seminars/workshops.
- Summer training programs.
- Individual counselling is done for students referred by Mentorship Chairman while group counselling and also individual counselling is done for A.TK.T students.

- The students are counselled by clinical psychologist for various problem such as academic, stress, anxiety, home sickness, fear of exam, loneliness, depression, low confidence and for their personal problems. After doing counselling students are called for regular follow-up sessions and their progress monitored.
- In 2016-17, 9students were counselled for academic stress, lack of concentration, depression, fear of loneliness, low confidence and personal problems. Their regular follow-up is done and progress in monitored and improvement is observed in their problems.
- In the training & placement cell, students are given the training regarding communication skills enhancement, personality development, mock interviews, group discussions, debates etc.
- All final year students are given career guidance.
- Counselling is done by Staff for Interns and PG Students during orientation program
- Interactive session regarding the career guidance and job placement was conducted on 9th Feb.2016
- Five campus interview were conducted by Inspiring Therapies, Pune; Nightingales Mumbai; New Horizon Group, Mumbai ; Healyos, Pune and Portea, Bangalore

No. of students benefitted

1858

5.7. Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
46	250	100	102

5.8. Details of gender sensitization programmes

- The institute conducts various programmes like Debates, Guest Lectures, Role Plays with the help of students council to spread the social message of sexual harassment and gender related issues: Women Empowerment, Women Rights, etc.
- A Woman Grievance Redressal Cell is in place and has been constituted as per Hon'ble Supreme Court Judgement. The Cell takes note of all the complaints and acts appropriately.
- Celebration of International Women's Day
- Regular Prevention of Sexual Harassment Committee meetings are conducted to create awareness about gender sensitization.
- Lecture and hands-on training on topic 'Self-defence of women' was arranged by Dr. D.Y.Patil Vidyapeeth in association with Pimpri Police Station and NGO in August 2016. It was for girl students and female staff teaching and non-teaching of

DPU. Dr.D.Y.Patil Dental college, students and staff attended the lecture and benefited from the self-defence training.

- The institute conducts various programmes like role play,skit and songs with message.

5.9. Students Activities

5.9.1. No. of students participated in Sports, Games and other events

State/ University level National level International level

No. of students participated in cultural events

State/ University level National level International level

5.9.2. No. of medals /awards won by students in Sports, Games and other events

Sports: State/ University level National level International level

Cultural: State/ University level National level International level

5.10. Scholarships and Financial Support

	Number of students	Amount
Financial support from institution (Freeship)	29	1,00,36,250
Financial support from government	105	2,60,6,750
Financial support from other sources	16	8,80,000
Number of students who received International/ National recognitions	--	--

5.11. Student organised / initiatives

Fairs: State/ University level National level International level

Exhibition: State/ University level National level International level

5.12. No. of social initiatives undertaken by the students

5.13. Major grievances of students (if any) redressed: No grievances

Criterion – VI

6. Governance, Leadership and Management

6.1. State the Vision and Mission of the institution (University information)

Vision:

"To help build an enlightened, culturally and economically vibrant India developed through education in diverse disciplines".

The planning and execution of the functioning activities of the University revolve around the Vision and Mission which have been effectively conveyed to all the stakeholder segments of the institution through the effective involvement and Intersectoral co-ordination and contribution of Heads of the Department & the Faculty who guide the students in their academic and extra-curricular activities. Although a dynamic curriculum is the predominant feature of the autonomous status of the University, the quality of the education imparted to students is monitored internally through various checks and balances.

Mission:

"To contribute to the socio-economic and ethical development of the nation, by providing high quality education through institutions that have dedicated faculty and state-of-the-art infrastructure, and are capable of developing competent professional and liberal-minded citizens".

With this mission Dr. D. Y. Patil Vidyapeeth, Pune, has been providing high quality education in the Faculties of Medicine, Dentistry, Physiotherapy, Nursing, Biotechnology & Bioinformatics, and Management through its seven institutions. In each programme the University ensures the provision of high quality education, the pursuit of knowledge and the creation of new ideas.

6.2. Does the Institution has a management Information System

Software Development Cell, a department under the University, develops need-based software systems. It has developed CampusERP system for the University and its constituent colleges. Most of the modules of CampusERP have been developed and are in use.

CampusERP

Modules that have been implemented:

<ul style="list-style-type: none">• Faculty/Staff Management<ul style="list-style-type: none">○ Staff Profile○ Staff Attendance○ Leave Management○ Notices/ Circulars○ Time Table○ Lecture taken Details○ Lesson Plan	<ul style="list-style-type: none">• Student Management Module<ul style="list-style-type: none">○ Time Table○ Availability of Lesson Plans○ Lecture Details○ Student Attendance○ Feedbacks○ Resources uploaded by Faculty○ Online Library access through
---	---

<ul style="list-style-type: none"> ○ Marking of Student Attendance ○ Student/ Faculty Interaction ○ Student Feedback ○ Lecture Resources uploading ○ Mentor allocating ○ Browsing Library through OPAC ○ Library transactions 	<p style="text-align: center;">OPAC</p> <ul style="list-style-type: none"> ○ Online Examinations/ Online Assessment ● Alumni Management ● Stores Management ● Vehicle Management ● Payroll Management ● Hostel management ● Communication Management ● Library Management
<p>Software Development Cell has initiated action for development of Hospital Management Systems (HIS) for the Medical and Dental Hospitals.</p>	
<p>Medical HIS</p> <ul style="list-style-type: none"> ● Registration Counter ● Casualty ● Billing Counter ● MRD ● IPD Pharmacy ● OPD Pharmacy ● Ward Management ● Radiology ● Consultant Module ● Stores and Purchase ● Central Laboratory ● HR Management 	<p>Dental HIS</p> <ul style="list-style-type: none"> ● Registration Counter ● Complete Patient Profiling in OMDR ● Billing Counter ● MRD ● Stores and Purchase ● Detailed Patient History in all Departments ● Pathology

A complete Institute Information Management Information System is being developed by the Software Development Cell (SDC) of the University. This system integrates the internal and external management information system across the entire organization. The purpose of ERP is to facilitate the flow of information between all functional units inside the boundaries of organization. It is a multi-user, scalable, highly secure, and extremely user-friendly. The following modules are implemented:

- OFAMOS (Online faculty attendance monitoring system) developed and prescribed by Medical Council of India.
- Faculty MIS
- Casualty Patient Registration
- IPD Patient Management
- Central Clinical Laboratory
- Medical Pharmacy
- Student Management
- Academic Management
- Library Management

- OPD Registration
- Pathology Lab Management
- Faculty Management
- Stores Management
- Communication Management
- OMDR Patient Management
- Patient History

6.3. Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

- Need Based Assessment
- Periodic Feedbacks
- Well structured Board of Studies, Academic Council and Faculties.
- Involvement of Alumni, parents and industry experts.
- Global and National Initiatives
- Research and industry need-based curriculum has been planned and revised at regular interval.
- Various bridge courses and electives are being offered to students.
- Courses developed as per the DCI norms.
- Updation of syllabi for UG/PG and PhD programmes.
- Academic flexibility.
- Student centered learning.
- Horizontal and vertical integrated teaching.
- Encouragement for small group teaching.
- Problem Based Learning.
- Academic as well as Industry experts' opinions are taken while framing the syllabus
- Horizontal and vertical integrated teaching.
- Encouragement for small group teaching.
- Problem Based Learning
- Evidence based medicine
- Disaster management
- Introduction to statistical packages.
- Semester and credit pattern for UG
- UG & PG semester pattern is implemented from the academic year 2015-16 in Physiotherapy College.
- UG and PG syllabus revised and Bio-ethics will be included from the academic year 2016-17 in Physiotherapy College.
- International upgradation through STE, Mastermind programme, through Webex, IACLE, Essilor program.

6.3.2 Teaching and Learning

- Feedback from stake holders.
- E learning
- Virtual class room
- Lesson Plans
- Language classes for needy students
- Mentorship programme
- Remedial drills.
- Doubt clearing sessions.
- Research Methodology Workshop
- Orientation program
- Problem Based Learning
- Integrated teaching programs
- Micro teaching sessions
- Encouraging students to attend regional, national & International conferences
- Wall magazine activity
- Journal Clubs
- Skill Lab Exercises
- Field trips and industrial visits
- Tie up with an organization called XED Intellect which takes regular Business quiz and aptitude quiz from students throughout the academic year on regular basis and have a dedicated website for updating their current business affairs knowledge.
- Various forms of teaching learning process are adopted by the faculties like Blackboard, Transparency, Presentations, e-Learning
- Visiting faculties are appointed for special courses.
- Guest lectures conducted to motivate students and enhance their attitude.

Facility to access and attend value added courses:

Value added courses such as Behavioural Science is conducted for 1st Year BDS and Soft Skills for 2nd Year, 3rd Year and 4th Year BDS students were conducted. Behavioral Science includes subjects such as sensation & perception, attention, memory, learning ,intelligence. thinking, motivation, emotion, personality. Soft Skills includes subjects such as communication skills, critical thinking, problem solving skills, team work, life long learning, information management, entrepreneurial skills, professional ethics and morals, leadership skills. These lectures are conducted by psychologist.

Mentorship program: Counseling of students who are referred by mentors for problems in studies and personal problems done by clinical psychologist. 4 students were counseled for their personal problems.

Case study method of teaching, Management games, role plays & simulation, presentations, group discussions apart from regular classroom teaching.

- Advance training for teachers.
- Updated skill labs for demonstration.

Long and Short case presentation, Bed Side Clinical Teaching, seminar and Symposia, Quiz Competition were conducted.

6.3.3 Examination and Evaluation

- Continuous internal assessment programme (Formative and Summative Evaluation).
- Structured long answer questions.
- Adequate weightage for objective type questions.
- Plagiarism check for thesis using special software
- Adequate weightage for Attendance
- Ward Rounds as a method of evaluation for PG examination.
- Subject Assignments.
- Quizzes Double examiner system.
- LAQ replaced by structured LAQ
- Adequate weightage for Attendance
- The ratio is 60:40 for external & internal exams respectively
- Result analysis is done for the internal exams & the remedial classes are conducted for the students whose academic performance is low
- Internal assessment marks is included in the PG Curriculum from the academic year 2015-16 in Physiotherapy College.
- Assessment of student by surprise test, power point presentation and group discussion.

6.3.4 Research and Development

- Research Advisory Board
- Research Centre / facilities
- Formulation of Research Policy Document
- Committees:
 - Research and Recognition Committees
 - Vidyapeeth Ethics Committee registered with DCGI
 - Scientific Committee
 - Clinical Trials
 - Animal Ethics Committee
- ICMR Guidelines
- Research Collaborations (National / International)

- Research Awards (Rs. 40,000/-) and Young Researcher Award (Rs. 20,000/-)
- Motivation and Guidance for paper publication National/International Level.
- Incentive for research publication at international and national level. Rs.5000/- for international and Rs.3000/- for national paper publication.
- Incentives given to faculty/students to attend International and national conferences.
- Workshop /Symposium/Conferences on Research Methodology for faculty and students.
- Research grant (DST-FIST) for research & development of Infrastructure (Grant amount: Three crores) has been submitted.
- Separated Institutional Research Cell in Dental College & GBSRC.

6.3.5 Library, ICT and physical infrastructure / instrumentation

Library: data need to be tally with Point No. 4.3

	Total	
	No.	Value
Text Books	41497	39023140.98
Reference Books	18096	30553589.14
e-Books	200	0
Journals	643	28474503
e-Journals	2140	162302
Digital Database	1	775169
CD & Video	2585	5020
Others (specify)	0	0

ICT: 923 Computers

6.3.6 Human Resource Management

- Induction Programmes
- Workshops on Stress Management by clinical psychologist and Time Management for teaching and non-teaching staff.
- Deputations for Special Trainings / Seminars / Workshops
- Training sessions in ICT / ET
- Incentives and Awards
- An independent section has been designated for the Management of Human Resources under the Leadership of the Dean, Registrar & HR In-charge in Dental College.

6.3.7 Faculty and Staff recruitment

- More than adequate number of faculty is available as per the respective council norms
- All the faculties having the qualification as per the respective council norms.
- Separate human resource department exists for the process of recruitment maintenance of service records
- Staff selection committee exists as per the UGC / Statutory Council Regulations for faculty recruitment.
- Recruitment through wide publicity in news paper and university website announcement.
- Candidates having first class in their graduation & post graduation and who have relevant work experience in corporate & academics are considered for the faculty posts.
- PhD is preferred for some faculty positions.

6.3.8 Industry Interaction / Collaboration

- MOUs with Zillah Parishad / NGOs for diagnostic camps.
- Linkages with Pharmaceutical Industries.
- Academic collaboration in Health Research and Education between Dr. D. Y. Patil Vidyapeeth, Pune and Johns Hopkins University, United States of America (Baltimore – Maryland)
- Thammasat University, Bangkok, Thailand for research and academic cooperation.
- Collaboration between Medical College and
 - Lions Club Pimpri Chinchwad
 - Rotary Club Pimpri Chinchwad
 - Haemophilia Society Pune Chapter
 - Care India Medical Society for palliative treatment.
 - Akansha Foundation
 - Door step School Organization

- Deepak Foundation
- Gyanankur School
- Catalysts for Social Action
- Yashoda Milk Bank in Collaboration with Rotary Club
- Dental College – M.Phil. Programme with Faculty of Dentistry, University of Hong Kong and Ph.D. Programme with Thammasat University, International College of Medicine and King’s College London Dental Institute
- Industrial visits for student and faculty.
- TATA Motors: Training related to prevention of occupational health hazards to their workers.

- GBSRC has two international collaborations with The London School of Business & Skovde University, Sweden.

- Visit to Contact Lens Company and visit to hands on training at Essilor
- Visit to Contact lens campus at Shekhar Eye Research Institute ,Mumbai

6.3.9 Admission of Students

Sr. No	Course Name	Admission procedure	Scheme of Entrance Test		
			Total Marks	Nature of Questions	Qualified Marks
1.	Super Speciality 1. M.Ch. (Neuro – Surgery) 2.M.Ch. (Urology) 3.D.M. Nephrology	Through All India Entrance Test(AIET) and as per MCI guidelines / norms	50 40 60 50 Total= 200	MCQ:- 25 LAQ:- 01 SAQ:- 03 Viva- Voce	50%
2.	Medical : PG	Through All India Post Graduate Medical Entrance Test (AIPGMET) and as per MCI guidelines / norms	300	MCQ 300	50%
3.	Medical : UG	Through NEET Entrance Test	As per NEET guidelines	-	-
4.	Dentistry :PG	Through All India Post Graduate Dental Entrance Test (AIPGDET) and as per DCI guidelines / norms	100	MCQ 100	50%
5.	Dentistry :UG	Through NEET Entrance Test	As per NEET guidelines	-	-
6.	Physiotherapy :PG	Through All India Post Graduate Physiotherapy Entrance Test (AIPGPET)	100	MCQ 100	50%
7.	Physiotherapy :UG	Through All India Allied Health Sciences Common Entrance Test (AIAHCET)	100	MCQ 100	50%
8.	Nursing : PG	Through All India Post Graduate Nursing Entrance Test (AIPGNET)	100	LAQ:- 05	50%
9.	Nursing : UG	Through All India Allied Health Sciences Common Entrance Test (AIAHCET)	100	MCQ 100	50%
10.	Biotechnology :PG M.Sc.Biotechnology M.Sc.Bioinformatics	Through All India Post Graduate Biotechnology Entrance Test (AIPGBET)	100	MCQ 100	50%
11.	Biotechnology :UG B.Tech.Biotechnology B.Tech.(Medical) Biotechnology M.Tech.(Integrated) Biotechnology	Through All India Biotechnology Common Entrance Test (AIBTCET)	100	MCQ 100	50%
12.	(MBA) Management	Through All India Entrance Test (AIET) & Candidates who have cleared CAT/MAT with their weightage in GDPI	150 40 Total = 190	MCQ 105 GDPI	50%

Sr. No	Course Name	Admission procedure	Scheme of Entrance Test		
			Total Marks	Nature of Questions	Qualified Marks
13.	Bachelor of Clinical Optometry	Through All India Allied Health Sciences Common Entrance Test (AIAHCET)	100	MCQ 100	50%

6.4. Welfare schemes for

Teaching	√
Non teaching	√
Students	√

- ✓ Free medical treatment and health check-up
- ✓ Accidental insurance for Rs. 1 Lac.
- ✓ Transport facilities
- ✓ Grant of Special Leave / On Duty Leave for attending Workshops / Seminars.
- ✓ Incentives for International and National publications.
- ✓ Incentives for attending International and National Conferences
- ✓ Incentives for scientific paper / poster presentations.
- ✓ Minority scholarship.
- ✓ Sabbatical Leave for specialized training
- ✓ Concession in fees for spouses of deserving faculties
- ✓ Provision for admission of children of teaching and non-teaching staff in reputed school of sister organization.
- ✓ Free accommodation for Nursing Staff

6.5. Total corpus fund generated

6.6. Whether annual financial audit has been done Yes No

6.7. Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	No	Agency	No	Authority
Academic	√	External Expert Committee	√	Internal Expert Committee
Administrative	√		√	

6.8. Does the University/ Autonomous College declares results within 30 days?

For UG Programmes **Yes** No
For PG Programmes **Yes** No

6.9. What efforts are made by the University/ Autonomous College for Examination Reforms?

- OSCE (Objective Structured Clinical Examination) and OSPE (Objective Structured Practical Examination) for internal assessment and ward leaving examination.
- One liner in place of MCQs.
- Structured LAQs (Long Answer Question)
- Ward rounds in clinical subjects for PG examinations.
- Adequate weightage for attendance
- Examination Squads visit the examination centre.
- Moderation of the question paper and answer sheets are done.
- New assignments such as seminar and project are added in internal assessment.
- Double examiner system.
- Modification done in MCQ evaluation pattern.
- Revision in Examination pattern was introduced as per Choice Based Credit System (Semester Pattern) Curriculum and was implemented from Academic year 2015-16 in Physiotherapy and Optometry.

6.10. What efforts are made by the University to promote autonomy in the affiliated / constituent colleges?

Significant academic, administrative and financial autonomy has been given to the constituent colleges.

6.11. Activities and support from the Alumni Association

- Annual Meet
- Curriculum redesigning
- Health education activities.
- Blood donation drives
- Participation in national health programmes
- Participation in cultural and sport events
- Career guidance sessions for students
- Support and guidance for final year students for their placement and higher studies

- Annual Meet
- Curriculum redesigning
- Health education activities.
- Blood donation drives
- Participation in national health programmes
- Participation in cultural and sport events
- Career guidance sessions for students
- Support and guidance for final year students for their placement and higher studies.
- Contribution in College Magazine – Impressions
- Events
 - a) IDENTS: Scientific Event, In Association with IDA Pimpri-Chinchwad Branch
 - b) Unplugged – Social gathering
- Tree Plantation
- National Conference was organised in collaboration in Nursing College.
- Alumni members conducted guest lectures in the college.

6.12. Activities and support from the Parent – Teacher Association

- Periodic meetings
- Valuable inputs pertaining to patient care and academics
- Discussion of various communications made by mail regarding students performance
- In Parent teachers meet, Parents were informed about the evaluation methods, Internal Assessments marks and attendance.
- An affidavit for anti-ragging is filled by all students and parents at the time of admission.

6.13. Development programmes for support staff

- Guest lecture by eminent faculty on
- Personality Development
 - Stress management
 - Communication Skill, Computer Training, HIS & ERP.
 - Manners & etiquettes and organisational behaviour.
 - Art of Living
 - Sessions by Brahmakumaris
 - Yoga and Aerobic sessions
 - Deputation for special training
 - Seminars, training and promotion to pursue higher studies etc.
 - Workshop on Alternative Modalities

6.14. Initiatives taken by the institution to make the campus eco-friendly

- Green Audit Committee
- ETP/STP plants set up
- Solar system installed in hostels.
- Tree plantation
- Water recycling done.
- Proper waste disposal protocols
- E-Governance
- Gardens are maintained
- Rain water harvesting.
- Green campus initiatives.
- Minimum use of papers.
- Best out of waste was conducted as part of cultural events.
- Bio-degradable material use for consumables

Criterion – VII

7. Innovations and Best Practices

7.1. Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

1. **Animation for Teaching:**

Animations are used for better understanding of subjects like that in developmental and three dimensional anatomy, structures of various biochemical molecules, understanding the mechanism of firearms, structure and three dimensional anatomy of teeth etc.

Students are able to comprehend better with animated demonstration.

2. **Webinars :**

Webinars are conducted with eminent faculty available online for live presentations and discussions.

Participants interact with and get replies to their queries from eminent researchers, scientist and experts directly.

3. **Smart Board Teaching:**

Smart Boards are used for improved teaching techniques. Being user friendly, these are helpful in digitalization of handwriting, on spot editing of power point presentation to the need of students to explain better and access to internet so that global knowledge can be disseminated in the class room on the topic of discussion

4. **Skill Labs:**

Skill Labs are used to enhance clinical and practical skills of students. Students are provided with the opportunity to work on models, specimen and phantom heads to increase their skills. Competency based modular exercises have been structured for interns and postgraduates.

5. **ERP system:**

Enterprise Resource Planning software is used to improve interdepartmental data sharing. The software is customized for individual departmental requirements. Input for various departments, from accounts to HR and various teaching departments are uploaded and shared.

6. **Skype Journal Club:**

First author of the publication selected for journal club, is contacted and asked for appointed for videoconferencing through Skype. On selected day and time journal club is presented in on-line presence of author and students and faculty members interact with them.

7. **Patient Feedback Form:**

Patient feedback forms are provided to patients which are assessed and required changes are made after discussion with Management, Hospital Administration, and

concerned committees.

8. Integrated Teaching:

Various topics which can be covered with an integrated approach (Vertical and Horizontal) are outlined before the start of the semester by a core committee headed by the Dean of the college. The Heads of concerned departments are then asked to detail a faculty from their specialty to present particular topic. A coordinator is designated for each session. The average duration of one integrated teaching session is 90 minutes. All the presentations are compiled into a module which forms an important learning resource material. A feedback of every session is obtained from the students using a structured format.

9. Didactic lectures :

Patients are brought to lecture halls during didactic lectures and live demonstration of clinical examination and physical findings are given to students.

10. Curriculum – redesigning :

Innovations are applied in curriculum designing with division of syllabus into must to know and desirable to know. Must to know sections are minimum basic knowledge which students must possess.

7.2. Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

Dr. D. Y. Patil Medical College:		
Sr.no.	Plan of Action	Achievements
1	Preparation for MCI inspection for final recognition of MBBS Degree against the increased intake from 150 to 250.	MCI conducted inspections on 10 th December 2016 and 6 th & 7 th February 2017. MBBS degree against increased seats from 150 to 150 has been recognized by Ministry of Health & Family Welfare, Govt. of India on the recommendation of Medical Council of India vide letters mentioned under:- <u>MCI Letter No.</u> MCI -37(1)(Recog17)(UG)/2017-Med./100813 dated 07-04-2017. <u>Govt. of India letter No.</u> U.12012/224/2015-ME-1 (FTS.3101873) dated 05-05-2017.
2	Preparations for MCI inspections for increase of PG Degree seats in : • General Medicine • Respiratory Medicine • Anaesthesiology	MCI conducted inspections in June/July/August 2017. Permission granted for increase of seats as under:- General Medicine : From 17 to 24 Respiratory Medicine : From 3 to 6 Anaesthesiology : From 9 to 15
3	Preparations for MCI inspections recognition of PG Diplomas in	MCI conducted inspection in February 2017 and have recognized the said

	Obstetrics & Gynaecology (DGO), Paediatrics (DCH) and Emergency Medicine Degree (MD).	qualifications.
4	Preparations for MCI inspections for Starting of : <ul style="list-style-type: none"> • M.Ch. (Cardio Vascular and Thoracic Surgery) • D. M. (Cardiology) Preparations for MCI inspections for increase of intake capacity in: <ul style="list-style-type: none"> • M. Ch. Neurosurgery • M. Ch. Urology • D. M. Nephrology 	MCI conducted inspections in February 2017. Permission granted for starting of M. Ch. (CVTS) and D. M. (Cardiology) with 2 seats in each subject. MCI conducted inspections in January 2017. Permission granted for increase of seats as under:- M. Ch. Neurosurgery : From 1 to 3 M. Ch. Urology : From 2 to 4 D. M. Nephrology : From 1 to 3
5	Improvement in Hospital Infrastructure	<ul style="list-style-type: none"> • Majority of wards have been shifted to the New Hospital Building. • Room for digital mammography. • Room for dialysis. • 128 slice CT scan machine.
6	Purchase of New Equipment	College : Rs. 88,40,227/- Hospital : Rs. 29,44,91,968/- ----- Total : Rs. 30,33,32,195/- =====
7	Faculty Development Programmes	Faculty trained in 2016-17 : 178
6	Incentives and Motivation for research Publication	Cash incentives are given for research publications. International Rs. 5000/- per article and national Rs. 3000/- per article. Year : 2016-2017 : 219 No. of Publications Incentive amt. National :- 97 Rs. 72,000/- International :- 122 Rs. 80,000/- ===== Total :- 219 Rs.1,52,000/- =====

Dr. D. Y. Patil Dental College:

Sr. No.	Goal	Action Taken
1	To Improve Student attendance in classes.	a) Student Counselling session b) Reward in the form of internal assessment marks c) Power points with Clinical Case Illustrations.

2	To improve the quality of Teaching.	a) Assessment of staff by Student b) Encouraging Staff to Attend Teacher training Programme c) Micro teaching Sessions d) Conducting integrated Teaching.
3	Student exposure to the state of the art Knowledge.	a) Inviting renowned Faculty for the Guest Lectures. b) Holding Webinar meets c) Encouraging Students to attend the Conferences
4	Promoting the staff to attend Conferences and Symposium.	a) Providing Financial Assistance.
5.	To Improve the number of research Projects And Publications	a) Providing Financial Assistance. b) Providing Assistance for research Training c) Considering Publications for promotion and increment.
6.	Incentives and motivation for research Publication.	Total Publications in 2016-17: 161 National – 65 International – 96 Others –00

Dr. D. Y. Patil Biotechnology and Bioinformatics Institute:

- Improvement in the infrastructure and research facilities has been achieved.
- Motivation among faculties and students to participate in research activities is being promoted and the same is evident from the ongoing research projects, funding and publications. Intramural funding from DPU sanctioned.
- ERP system for all academic activities has been implemented.

Dr. D. Y. Patil College of Nursing:

- New equipments ordered for utilization of skill labs
- Staffs are encouraged to publish papers in reputed journals
- Promotion or awareness of scope nursing to society in terms to get admissions.

Dr. D. Y. Patil College of Physiotherapy :

- Revision of curriculum Of BPT and MPT to meet the competencies at global level was done and implemented from 2015-2016. Syllabus will be further updated by adding Bioethics in UG & PG curriculum
- All faculties were encouraged to upgrade themselves by attending Short courses, workshop, conferences.

- Integrated teaching program and symposium were conducted by staffs for overall development of students.
- Value Added teaching for learning regional language for effective communication and improving patient doctor relationship was conducted for both staff and students..
- Up-gradation of library with various Research Journals ,newer editions and volumes of books.
- Setting up ICU skills lab.
- Advanced research equipment for promotion of research were procured.
- E-Environment for students and staffs by upgration of technology and computer labs
- Extension activities were organized to serve the community – free camps, Screening camps, awareness lectures, blood donation, celebration of national and international day.

Dr. D. Y. Patil College of Global Business School & Research Centre :

Sr. No.	Plan of Action	Achievement
1.	To add new specializations in the existing pool.	Two new specializations have been introduced in the syllabi; they are: Hospital & Healthcare Management & Operations & Supply Chain Management
2.	To conduct FDP for the in-house faculties as well as for faculties from other management institutes	The institute conducted FDP programme in which faculties from GBSRC as well as from other colleges of Dr. D.Y. Patil Group participated.
3.	To conduct national seminar	The Institute conducted National HR Meet in which eminent speakers from industry interacted with the students and faculty members.

Dr. D. Y. Patil College of Optometry :

Academic :

- Case based learning done in every week by the Intern and M.Optom students.
- Journal club arranged every week by Interns and M.Optom students.
- Problem based learning is done for all three years of students.
- Walkathon is done on the occasion of World Sight Day
- Personality development and Multiple Intelligence Program is done to increase their confidence level
- Blood donation camp and Polio day is to aware them about the social welfare
- Mentorship program done for all the students.
- Gurupurnima, Teachers Day, College Days and Farewell done, it is like bonding of students with their teachers and seniors.

7.3. Give two Best Practices of the institution (please see the format in the NAAC Self-study Manuals)

STUDENT CENTERED LEARNING.

Objectives intended outcome.

Students should come away from the regular courses and learn to deal with difficult topics and situations at crisis with understanding of how to engage in constructive management, informed by modes of thought and basic learnt knowledge that allow them to make sound judgments through proper assessment and plan individualistic management. **The focus is to help students learn across fields of study, synthesize knowledge, and ultimately, to become informed and engaged and become confident.**

1. Step by step scrutiny of research process.
2. Provision of wide range of literatures for self learning.
3. Learning through student made posters and flowcharts for easy understanding.
4. Our teachers are only facilitator and not authorities.
5. We involve collaborative learning for patient care management with medical college, Research and technical involvement with engineering college.
6. Care to limit language barriers and cultural barriers in limiting educational teaching learning process.

Challenging issues in designing and implementing.

- a. The Process of research at the institution has numerous committees to be

followed

Academic scrutiny committee

↳ Scientific Committee

↳ Sub Ethics Committee / Ethics Committee

↳ Research & Recognition Committee

↳ Academic committee for scrutiny of completion

- b. As each committee has its own significance in itself avoidance is impossible. The challenge is faced in planning and adjusting the schedule, gathering the experts of every committee, with our hindering the academic plans.
- c. Challenges is faced in drawing the conclusion of process of execution and limitation in response to the students requirements of process to complete in the scheduled time.

Uniqueness of the practice.

1. Every research process, from undergraduate projects at the final year, internship short-term projects, to the post graduation research projects and individual research projects of faculty and students undergo the scrutiny of the committee time to time as required and scheduled. This ensures a quality framework of proposal, execution and output of research and a feel of execution in a systematic manner to the researchers.
2. A step by step scrutiny ensures a detailed evaluation and a proper guidance to the investigators.
3. We boast that even the state government led institutions don't follow this extensive procedure in its affiliated institutions, Very few follow this procedure.
4. Interactive sessions among the faculty and the students take place in the academic committee for framing the proper research process, in a friendly manner where teachers act as facilitators.

These results indicate the impact of the process created on the need and importance of publication, the rate of acceptance in journals after their peer reviews thus the quality of the output.

This process has provided confidence to the students and faculty for moving across the table towards interdepartmental and cross faculty researches, by involving the medical college and engineering faculty.

Involvement of Undergraduate Students in Research:

1. **Title of the Practice:** Involvement of Undergraduate Students in Research
2. **Objective of the Practice :**
To inculcate an element of curiosity and interest in research among students from Undergraduate level, so as to enhance their research aptitude.

3. **The Context:** It has been seen that after graduation most of the students go for postgraduation with the single minded goal of practicing medicine. In the process many potential and enthusiast researchers are suppressed or by the time they identify their potential and interest in research during their postgraduation, it is often late. To fill this gap and explore the hidden talent we involve students during their undergraduate course, to identify potential researchers and develop their skills early during their academic career.

4. **The Practice:** Students are given the task of research activities from their very first year in the institution. Interested Students are asked to take up projects under the guidance of faculty members, who instruct them regarding the basics of research till completion of their projects. After selection of topic by students under guidance of faculty members the synopses are formulated which are scrutinized by scientific and Ethics Committee. These proposals are then forwarded to ICMR for the STS programme. Recognition and financial support as a result of this programme further encourages students in research.

5. **Evidence of Success:**

2012	2013	2014	2015	2016	2017
18	19	41	29	11	9

Increase in number of publications and presentation by UG Students at National Conferences, some of which were award winning presentations

6 **Problems Encountered and Resources Required:**

1. Initially there was reluctance and resistance from the students
2. Faculty perceived it as their increased workload.

The problems were overcome by :

1. Acceptance of student projects by ICMR and provision of financial support for the same has proved to be a major motivating factor.
2. Workshops and guest lectures on synopsis writing and publication of scientific papers went a long way in motivating UG students to take up research projects

7.4. Contribution to environmental awareness / protection

- ETP/STP plants set up
- Solar system installed in hostels.
- Green campus initiatives.
- Hospital waste disposal as per norms
- Health education of community regarding environmental health hazards.
- Water recycling.
- Proper waste disposal protocols
- Tree Plantation by students and Faculty. These plants are of medicinal value which also helps to reduce the pollution in and around the campus. Awareness on global warming was done.
- NSS activities for environmental awareness – Role plays, poster exhibitions, tree plantation
- e-waste is managed by IT department of the Vidyapeeth.

7.5. Whether environmental audit was conducted?

Yes

No

7.6. Any other relevant information the institution wishes to add. (for example SWOC Analysis)

STRENGTHS:

- Promotion of an unique research ethos amongst undergraduates
- State-of-Art Infrastructure
- ERP based Teaching-Learning Process
- International Collaborations
- Certificate Courses and Fellowships in various faculties
- Vibrant and dedicated faculty
- Availability of excellent clinical material

WEAKNESSES:

- Consultancy Services
- Inadequate external agencies funded research grant.

OPPORTUNITIES:

- To include MOOCs and SWAYAM courses.
- Establishment of Centre for Regenerative Medicine and Molecular Diagnostics.
- Promotion of interdisciplinary research.
- Digital medical records
- Development of Tele-Medicine Centre
- Establishment of a centre for Planning and Policy making in Higher Education

CHALLENGES:

- Attracting faculty of international repute
- To keep pace with rapid growth and development of health science education and patient care as per global standards.

8. Plans of institution for next year**Academics:**

- Super-speciality courses – Plastic Surgery, Cardiology, Cardio Thoracic Surgery, Paediatric Surgery and Neurology.
- Increase in PG seats – Clinical Speciality and Superspeciality subjects.
- To start super-specialty courses in Interventional radiology and cardiac anesthesia
- To promote & to start Fellowships in Pediatric Cardiology, Pulmonology, Nephrology, Pediatric Intensive care
- To start with the BBA Programme
- To start two short term/certificate courses in Biotechnology and Bioinformatics.
- Continuation of short courses of Aerobic/fitness trainer and Manual Therapy workshop will be organized.
- To start PG Diploma in Contact Lens and Low Vision Management.

Faculty :

- Deputation for specialized training in field of interest
- Periodic mind relaxation programmes
- To organize seminar/conferences in biotechnology and IPR.

Research:

- To promote patent filing.
- To create thrust area in Cancer Biology as multi-institutional initiative and additional research facilities.
- To initiate a new thrust area in stem cell therapy
- To start interdisciplinary research

Infrastructure:

- State-of-Art OT complex and ICU complex
- Ultra-Modern learning resource centre
- Comprehensive Oral Health Care Centre
- State-of-Art Dental Implant Centre
- Setting up Advance Center of Molecular Diagnostics.

Others:

- Green Campus Initiatives
- Evening Clinics
- To start incubation centre for budding entrepreneurs
- To provide the students short certification courses in the institute as per their domains.
- In- house sessions on Art of Living, Yoga and meditation for students.
- To upgrade and strengthen labour analgesia
- To start USG guided nerve block.
- International Collaboration with University of Skovde, Sweden, Kampala International University, Uganda, East Africa.

Name: Dr. Praveen Arora

Sd/-

Signature of the Coordinator, IQAC

Name: Dr. P. N. Razdan

Sd/-

Signature of the Chairperson, IQAC
