SELF STUDY REPORT

FOR

3rd CYCLE OF ACCREDITATION

DR. D. Y. PATIL VIDYAPEETH, PUNE

DR. D. Y. PATIL VIDYAPEETH (DEEMED TO BE UNIVERSITY), SANT
TUKARAM NAGAR, PIMPRI, PUNE
411018
www.dpu.edu.in

SSR SUBMITTED DATE: 12-11-2020

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

November 2020

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Dr. D. Y. Patil Vidyapeeth (DPU), Pune managed by Dr. D. Y. Patil Vidyapeeth Society, Pune, was declared as "Deemed-to-be-University" under Section 3 of UGC Act 1956 in 2003. From a humble beginning with one constituent unit i.e. Dr. D. Y. Patil Medical College, Hospital and Research Centre, Pune; DPU over the last 16 years has grown exponentially with addition of eight more constituent units under its ambit. With these 9 constituent units Dr. D. Y. Patil Vidyapeeth, Pune has distinguished itself by creating the brand name "DPU" which is offering professional education in Medicine, Dentistry, Nursing, Physiotherapy, Optometry, Biotechnology, Management, Ayurveda and Homeopathy.

DPU, Pune has been accredited by NAAC twice awarding "A" grade with CGPA of 3.62 in second cycle followed by "Category-I Deemed to be University" status by University Grants Commission (UGC) vide its letter dated 20th April 2018. The Vidyapeeth has also been placed at 3rd rank in Dental, 24th in Medical, 46th in University and 75th position in the Overall Category in the National Institutional Ranking Framework (NIRF) 2020 by Ministry of Human Resource Development (MHRD, now Minstry of Education), Government of India.

DPU has achieved significant academic growth and development in the field of professional and health sciences education over the last two decades. DPU offers 119 academic programmes covering Medicine, Dentistry, Ayurveda, Homoeopathy, Management and allied health sciences like Physiotherapy, Nursing and Optometry. The range of programmes include 11 UG, 68 PG, 8 PhD, 1 Integrated Masters, 1 Diploma (Dental), 14 PG Diploma (12 Medical + 2 Optometry), 6 Super Speciality (M.Ch/DM) and 11 Fellowships (1 Dental + 10 Medical). All the programs offered in these Institutes have been duly recognized by respective Councils such as MCI /DCI /INC /CCIM /CCH /AICTE /UGC etc. Academic flexibility in terms of CBCS/ Elective options is offered by DPU in Biotechnology, Physiotherapy, Nursing and Optometry programmes. A dedicated team of 642 faculty members is involved in providing quality education to more than four thousand eight hundred students. In the current Covid-19 Pandemic situation DPU is strongly supporting Governemt and Society by providing treatment to Covid-19 patients.

Vision

The Vision of the Dr. D. Y. Patil Vidyapeeth (DPU) is "To help build an enlightened, culturally and economically vibrant India developed through education in diverse disciplines".

Mission

The mission of the DPU is : "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 professionals and liberal-minded citizens".

Both the vision and mission statements of DPU have been approved by the Board of Management in its resolution BM-43-14 dated 20-01-2014 and are uploaded on the website. (http://dpu.edu.in/Documents/DPU-

Vision-2025-Final.pdf). At DPU it is ensured that vision and mission are incessantly expressed and ingrained in campus culture so that students are manifestly aligned to it.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- DPU is multi-faculty Health Sciences Vidyapeeth providing student centric education in Medical, Dental, Ayurveda, Homeopathy, Physiotherapy, Nursing, Optometry, Biotechnology and Management.
- The Vidyapeeth offers 119 UG / PG / Doctoral/ Fellowship and Super-specialty programs approved by Regulatory Bodies including MCI, DCI, AICTE, UGC, INC, CCH and CCIM supported by a team of 642 faculty mwembers.
- DPU has excellent infrastructure for teaching-learning and research, besides ultra-modern library with rich collection of print and e-books, e-journals and e-data bases.
- The teaching hospital (2011 beds) is having 18 modular operation theatres of global standard, IVth Generation Da-Vinci Robotic surgery facility, two MRI machines (3 Tesla and 1.5 Tesla), two CT Scanners with 128 slice CT machine, Digital Mammography with tomosynthesis, Multi Organ Transplant Facility and unique 'YASHODA' human milk bank.
- The hospitals are NABH accredited with abundant clinical material for training the students. NABL accredited molecular diagnostic and GMP certified regenerative medicine laboratories. FDA approved and GMP certified Ayurveda pharmacy.
- Comprehensive ICT-based teaching-learning process provides collaborative, communicative and co-operative learning environment to the students.
- Well-thought Research Policy and active collaborations provide robust ecosystem for innovation and entrepreneurship.
- Good governance, participatory decision making, and benevolent management offer excellent amenities and welfare measures for students, faculty and staff.
- Internal Quality Assurance Cell (IQAC) is monitoring the quality of teaching-learning, research and other student support activities.
- Large regional diversity of students and faculty provides all-inclusive national culture in the DPU campus
- International collaborations with world-class universities provide global learning and research experience to students and faculty.

Institutional Weakness

- DPU is a self-financed university focusing on health science education. Since it is self-funded Vidyapeeth, there is limited opportunity for receiving extramural grants. This affects research productivity and has implications for long term sustainability.
- Various Regulatory Bodies have different norms for the implementation of academic programs. This constrains academic flexibility.
- Clinical services consume the maximum time of the faculty members thereby limiting the time available for research.
- A restrictive regulatory environment precludes the introduction of innovative methods in academic programs.
- Since most of the Regulatory Bodies in the health care segment do not consider Ph.D. as an

essential qualification, the number of registered Ph.D. research scholars is limited.

Institutional Opportunity

- Opportunities for expansion into other areas including Pharmacy, Engineering and Social Sciences for launching innovative programs covering Trans-disciplinary and Inter-disciplinary courses.
- To start additional super specialty programs concerning Critical Care Medicine, Gastroenterology, Endocrinology, Oncology and to expand organ transplant unit (for Heart) besides developing skin bank facility.
- Bringing other sister institutions under the ambit of DPU to amplify the opportunities for the students in terms of programme diversity to start inter- and multi-disciplinary programs and to undertake innovative research.
- To attract a greater number of international students in all the programmes and also to improve the medical tourism opportunities for global visibility.
- To enhance the scope of international MOUs and linkages for collaborative research to offer opportunity to the students and faculty.
- To increase the extra-mural funding for research and development, for enhancing quality publications, filing of patents / copyrights and to involve industry in creating ecosystem for research and start-ups.
- Establishing center of excellence with support from ICMR/UGC and in association with industry.
- To search for opportunities of enhancing resource augmentation through industrial consultancy and clinical trials.
- To strengthen alumni associations for their involvement in developmental, academic, research and mentorship activities of the students.
- To establish user friendly Telemedicine facility for tribal areas with support from in-house ICT services.
- To strengthen and create strong academic and research ecosystem for competing in Global Ranking system.

Institutional Challenge

- To keep pace with competitive and fast-developing academic environments both at the National and International levels.
- To improve and retain the brand name and sustain the established growth-trajectory.
- To increase research performance in terms of publications in International Journals with high impact factors and to enhance research efficiency of faculty.
- To achieve a higher and higher position in the ranking both at the national and international levels with the restrictive regulatory environment.
- To search for innovative career opportunities for students at national and international levels.
- To facilitate 'semester-abroad' and 'study in India' programs for global exposure to students. Currently, Regulatory Councils are prohibiting foreign universities however, with the new National Education Policy (NEP-2020) improvement is expected.

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1.3 CRITERIA WISE SUMMARY

Curricular Aspects

- At DPU curriculum design and development is as per the guidelines of Regulatory Bodies such as MCI/DCI/INC/CCIM/CCH/AICTE/UGC etc. Based on regulatory guidelines and feedback from stakeholders the revision of the curriculum is done by the Board of Studies, Faculty, and Academic Council considering regional, national and global health-care needs that are visible in Course Outcomes (COs) and Programme Outcomes (POs). Enrichment of curriculum is done by introducing value-added and skill-based courses.
- In all 119 academic programs including Medicine, Dentistry, Ayurveda, Homoeopathy, Management, Biotechnology, Physiotherapy, Nursing, and Optometry are implemented. The curriculum of 98 out of 119 programs (i.e. 82.35%) has been revised during the last five years.
- During the last five years, 48 new programs have been added. All programs focus on competency, employability, entrepreneurship, skill-development as reflected in the mapping of POs and COs. The number of courses across these programs is 3385 of which 2215 are interdisciplinary.
- Academic Flexibility is through 100% CBCS / Elective courses in all the 18 programs. (Where CBCS / Elective courses are applicable as per the Regulatory Bodies).
- The curriculum integrates cross-cutting issues relevant to gender, environment, and sustainability as also human values and professional ethics through the UNESCO Bioethics core curriculum.
- Curriculum enrichment is also through value-added courses, regular field visits, industry internships and community postings.
- As a Health Science University, DPU ensures the dissemination of knowledge, skills and competence through innovative pedagogy and curriculum. The curriculum has been updated and revised regularly to keep up with the latest global trends. A strong IT-supported in-house DPU-ERP system ensures access to the latest information and web resources.
- Well-furnished laboratories with avant-garde equipment have been provided for both teaching and research. All the institutions have excellent library resources with a large number of books, periodicals and e-journals besides the latest e-resources like SCOPUS, EBSCOHOST, Elsevier Clinical Key, Elsevier Clinical Flex, J-Gate, etc.
- DPU conducts online feedback from stakeholders on curriculum design. IQAC collects feedback data through constituent unit based sub-committees, analyses it and gives suggestions for its implementation. The feedback report is placed before BOM and also put on the website.

Teaching-learning and Evaluation

- The DPU admission process is based on merit at NEET (Medical, Dental, Ayurved and Homoeopathy) and All India Entrance Test conducted by DPU (Biotechnology, Physiotherapy, Optometry, Management, and Nursing)
- About 39.32% of students represent other states and countries. This diversity with their special learning needs requires identifying slow and advanced learners. Slow learners are supported by interactive sessions in classrooms and laboratories, remedial coaching, counseling and local language classes. Advanced learners are provided with a globally competitive platform for advanced techniques and additional clinical case studies. Students also participate monthly in focused web-based learning

programs with Johns Hopkins University, USA.

- DPU has highly qualified and experienced faculty with a teacher-student ratio of 1:7.52 ensuring more than that required by regulatory guidelines.
- With clearly defined POs and COs, the teaching-learning strategies at DPU are aligned with learning objectives blended with a variety of educational approaches for maximizing student learning.
- Student-centric teaching-learning methodologies comprise experiential, interdisciplinary, patient-centric, problem-based and integrated learning. Expert lectures, webinars, video conferencing, evidence-based learning, clinical case studies are espoused for enhanced learning supported by state-of-the-art infrastructure and e-resources. Lesson plans are made available on the Institutional DPU-ERP.
- DPU faculty strength is 642 with an average teaching experience of 12.27 years and 50.01% having Ph.D./MCH/DM /MD/MS/ MDS/DNB degrees are recognized as research guides. ICT support in teaching-learning, advanced robotic surgeries, organ transplants and emerging areas is provided.
- Modern ICT facilities have been provided with high-speed internet connectivity (>1000 Mbps) and Wi-Fi is provided all over the campus. A dedicated Data Centre and Software Development Cell provide the IT support to the Teaching-Learning-Evaluation process.
- Strong emphasis on the holistic development of students through curricular, co-curricular and extra-curricular activities gives an opportunity for nurturing talent, creativity and innovations.
- The MOU with the University of Skövde (Sweden) focusing on environment and health protection has resulted in regular faculty and students exchange under the Linnaeus-Palme Teachers' Exchange Program thus enhancing the quality of teaching-learning process.
- The evaluation process is a fine blend of formative and summative assessment with double valuation and appeal for re-totaling, besides access to a photocopy of answer script.

Research, Innovations and Extension

- Well-defined Research Promotion Policy and development of Central Research facility including Molecular Diagnostics (NABL), Regenerative Medicine (GMP) and Microbial Biodiversity laboratories promote inter-disciplinary research.
- Provision of seed money (Rs 393.31 lakhs) to faculty, a stipend to PG students of Medical / Dental streams, Ph.D./Post-Doctoral Fellowships to research scholars, and incentives for research publications.
- Considerable enhancement in quality publications (1619) and extramural funding from NIH, SIDA, DST, DBT, ICMR, BIG Biotechnology Ignition grants.
- The Biotechnology unit has been supported by DST-FIST (90 Lakhs), DBT (Rs 801.52 Lakhs grants and BIRAC SRISTI GYTI award (Rs 15 lakhs)
- The government (Rs. 1008.08 lakhs) and non-government (Rs.263.85 Lakhs) research grants have been received for 158 research projects.
- The establishment of "DPU Incubation Centre" and "Start-up and Innovation Cells" at each constituent unit.
- Provision of Seed money for the "DPU-Business Management Entrepreneurship Support Scheme" (Rs.75000/start-up).
- One faculty member and two students of Biotechnology received the prestigious Gandhian Young Technological Innovation Award.
- Dr. Viroj featured in the subjectwise ranking (top 2% scientist) from India.
- High standards of research through a strict code of ethics, rigorous Ethics Committee scrutiny, and strong anti-plagiarism policy are in place.

- Publication bibliometrics - Scopus: 3686 citations with h- index: 31 (overall 48); Web of Science: 2269 citations with h- index: 21.
- Well-established IPR and Consultancy Policy that helped in publishing 20 patents (1granted, 14 published, 5 filed) and two technology transfers.
- DPU has undertaken 951 extension and outreach activities that received various awards (30).
- MoUs (88) with national and international institutes and universities for faculty/student exchange and sponsored collaborative research projects. The MOU with the University of Skövde (Sweden) focusing on the environment and health protection has resulted in the generation of five national patents and publications in leading national and international journals and has helped in receiving financial assistance for collaborative research projects.
- Similarly, MOU with Johns Hopkins University has helped in getting research funds from NIH (USA) focusing on communicable diseases. This collaborative program is highly successful and continuing for over seven years. Recently two research projects on communicable diseases have been sanctioned by NIH under this collaboration.

Infrastructure and Learning Resources

- DPU and its nine constituent units are situated on a spacious campus of 42.5 acres located at Pimpri and Tathawade in the Pimpri Chinchwad Municipal Corporation area. Well-designed constituent units and hospitals have separate buildings with classrooms, laboratories, seminar halls, libraries, offices and student amenities.
- DPU has established multi-speciality Medical, Ayurveda and Homoeopathy hospitals. The Medical Hospital (2011 bedded) with state-of-art equipment for diagnosis and treatment of patients offers rich clinical material for the students to enhance their clinical skills. The Hospital has Robotic Surgery facility with latest 4th Generation Da Vinci Robotic Machine, Multi-organ Transplant Facility and a unique "Yashoda Milk Bank", Central Clinical Laboratory, well-furnished modular OTs (18) and ICUs with latest equipment (MRI, Cath labs etc.), wards and private rooms.
- Ayurveda and Homoeopathy hospitals (NABH) provide quality care in AYUSH stream of medicine. Well-developed Panchakarma unit in Ayurveda provides excellent treatment attracting patients from USA, Spain and Brazil.
- The Central Research Facility includes Molecular Diagnostic Laboratory (NABL) used for research and currently for SARS-COV-2 testing using PCR. Similarly, Regenerative Medicine Laboratory is GMP certified and accredited by CDSCO and is used for Stem Cells research. The 'Sudhatatva' pharmacy of Ayurveda College is also FDA approved as also GMP certified.
- The academic infrastructure of nine constituent units consists of 67 well-equipped classrooms, 150 demonstration rooms, 110 laboratories, 48 seminar halls, 2 auditoriums (1000 and 250 capacity) and 45 museums.
- Sports and cultural facilities have been provided for indoor and outdoor games besides availability of multi-facility gymnasium.
- Separate hostels for Boys and Girls are available with Wi-Fi connectivity.
- DPU has an excellent learning resource centre with a rich collection of 70,278 books, 25,686 reference books, 80 ancient books and 16 manuscripts.
- The Medical and Dental Colleges publish peer-reviewed journals which are included in the UGC-CARE list Group 1 (UGC-CARE ID:101002752 and 101026423) and also indexed in Directory of Open Access Journals (DOAJ).
- DPU has a strong IT infrastructure with AV studio, dedicated Data Centre and in-house Software Development Cell (SDC). The entire campus and classrooms are Wi-Fi enabled with a bandwidth of >1

GBPS internet connectivity.

Student Support and Progression

- DPU always strives hard for providing a top-quality learning experience to its students to fortify a smooth and fruitful journey towards a professional career.
- DPU–Merit Scholarship Scheme has been launched for supporting the meritorious students for their further academic progression. Every year average top 20% of students are provided with yearly scholarships.
- During the last five years 5941 students have received financial support and Scholarship both from DPU and Government through DMER Minority Scholarship and around 25 students received a scholarship from non-government organizations like Lilla Poonawalla Foundation.
- Vidyapeeth has waived off tuition and examination fees of the needy students and also provided Ph.D./Post-Doctoral Fellowships to research scholars.
- Capability Enhancement and other skill development schemes were implemented regularly.
- Guidance for competitive examinations is provided and about 39% of students have been benefited by this.
- DPU has a strong redressal mechanism where students can register online complaints through ERP to Grievance Redressal Cell, Anti Ragging Committee and Internal Complaints Committee.
- Nearly 71.52% of students have been placed or self-employed and the remaining have progressed to higher education.
- An invigorating milieu is provided to the students to partake in co-curricular and extracurricular activities.
- DPU has a vivacious Student Council constituted as per Bye-laws of the Vidyapeeth that organizes various events like DPU Nite, Urjja, Parakram, World Bioethics Day and awards the winners of Cultural and Sports events. About 37 awards has been received at various levels.
- The students are actively involved in various activities of NSS, Unnat Bharat Abhiyaan, Swachhata Action Plan. Through activities like Tree Plantation, Blood Donation, Lifeline Express, Street plays, Awareness rallies and lectures on Organ Donation, Environment protection, Disaster management they extend support to society and needy people. This imbibes humanitarian values in the students.
- Students are also sensitized to the issues like Health, Hygiene, cleanliness through activities like Yoga day, Swachhata Pakhawada, Swachhata hi Seva. They also celebrate National/Commemorative days of the Country's great leaders.
- All the institutions have pulsating and proactive registered Alumni Forums. Academic toppers are bestowed with Gold Medals at Convocation Ceremony and Class Toppers are awarded cash prizes on Teacher's Day.

Governance, Leadership and Management

- DPU is committed to excellence as articulated in its Vision and Mission and ensures that the same is entrenched in academic culture. Consistent with this the hierarchical governance structure for effective decision making is created as per UGC Regulations. Decentralization and participative management

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approach are followed in all areas of governance for streamlining the activities.

- Various statutory bodies of the Vidyapeeth such as the Board of Management, Academic Council, Planning & Monitoring Board, Finance Committee, Board of Studies, Anti Ragging Committee, Grievance Redressal Committee, Internal Complaints Committee, Anti-Discrimination Cell, College Council, Internal Quality Assurance Cell (IQAC) meet regularly.
- Student related committees include Student Council, Hostel Committee, Students related Grievance Redressal Committee, Committee for Sports and Cultural Activities are in place
- All the committees and bodies have well-defined policies, rules and regulations for their structure and functioning. Periodic evaluation of the processes and outcomes is done to understand the status for improvement thus ensuring continuous improvement.
- The leadership is responsive to the issues raised in the meetings and timely decision making is assured.
- The Vidyapeeth has implemented e-governance in all the areas of operation through in house developed DPU-ERP system.
- The Centre for Professional Education and Faculty Development (CPE&FD) is established in 2014 by DPU for faculty training.
- DPU has over 50% of women faculty, admin staff and students. In view of this various activities are conducted for empowering them. They include -awareness programs, self-defense workshops, general health check-ups and financial literacy programs, healthy living and work-life balance, yoga and wellness as well as soft skills
- The transparent self-appraisal system covers all the aspects of academic, administrative, research activities besides welfare measures for its teaching and non-teaching staff.
- The appreciation certificates, prizes and DPU awards are given to faculty for their outstanding performance in research and for innovative teaching.
- The Vidyapeeth has Resource Mobilization Policy in place for generating and optimal utilization of financial resources. Internal and external financial audits are carried out yearly
- IQAC has contributed significantly for institutionalizing the quality assurance strategies and processes and taken important initiatives for enhancing the quality of teaching-learning and research.

Institutional Values and Best Practices

- Annual Gender Sensitization Action Plan has been formulated which details the measures and programs undertaken to promote gender equality.
- The eco-friendly measures have been taken for enhancing the use of solar energy (1776KW) to cater to the needs, use of LED and power-efficient equipment.
- DPU has four sewage treatment plants and a vermi-compost and biogas plants for the efficient disposal of liquid and solid wastes. Water is recycled and used for gardening purposes.
- Biomedical waste generated from the hospitals is disposed of as per government regulations. Proper disposal of e-waste is also ensured.
- Green Campus initiatives include restricted entry to automobiles, use of battery-powered vehicles, landscaping with trees and plants.
- DPU is ISO-9001:2008, 9001:2015, ISO-14001:2015, Green Education Campus certified.
- DPU has provided disabled-friendly facilities by providing ramps/lifts for easy access to classrooms, disabled-friendly washrooms, appropriate sign-ages, assistive technologies and facilities are in place.
- Inculcating values amongst the students and staff to be responsible citizens of India and to instill a sense of values, rights and duties is an important and integral part of DPU culture.

- The Institution has a prescribed code of conduct for students, teachers and administrative staff.
- DPU has strongly implemented the best practices in the areas of research and social outreach namely

- a] *"DPU inventiveness to hearten research excellence for the sustenance of quality by faculty and students"* and

  b] *"Yashoda Milk Bank - Advanced Human Milk Bank (YAHMB) and Comprehensive Lactation Management, Training Centre (CLMTRC)- Unique Model for Improving Neonatal Care and Health Outcomes in the Community"*.

  These practices ensure that vision and mission of DPU are incessantly expressed and ingrained in campus culture so that students and faculty are manifestly aligned to it.

- DPU is known for its several distinctive features such as 'Solar Powered Campus' with high-end infrastructure for imparting education supported by ultramodern Learning Resource Centre, provision of Seed Money for Research, Ph.D./Post-Doctoral Fellowships, DPU-Merit Scholarship Scheme for students.
- Hospital with Multiorgan Transplant facility, high-end MRI services (3 Tesla) in Radiology, State-of-the-art 18 Modular OTs with IVth Generation Da Vinci Robotic Surgery facility and unique Central Sterilization Service Department (CSSD).

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the University	
Name	DR. D. Y. PATIL VIDYAPEETH, PUNE
Address	Dr. D. Y. Patil Vidyapeeth (Deemed to be University), Sant Tukaram Nagar, Pimpri, Pune
City	Pune
State	Maharashtra
Pin	411018
Website	www.dpu.edu.in

Contacts for Communication					
Designation	**Name**	**Telephone with STD Code**	**Mobile**	**Fax**	**Email**
Vice Chancellor	N. J. Pawar	020-27805001	9011093368	020-2780502 5	vc@dpu.edu.in
IQAC / CIQA coordinator	P. Vatsalaswam y	020-27805000	9850116519	020-2742001 0	iqacnaac@dpu.edu. in

Nature of University	
Nature of University	Deemed University
Institution Fund Source	No data available.

Type of University	
Type of University	Unitary

Establishment Details	
Establishment Date of the University	11-01-2003
Status Prior to Establishment,If applicable	Affiliated College
Establishment Date	09-04-1996

Recognition Details		
Date of Recognition as a University by UGC or Any Other National Agency :		
Under Section	**Date**	**View Document**
2f of UGC	27-11-2018	[View Document](#)
12B of UGC	27-11-2018	[View Document](#)
Section 3	22-10-2020	[View Document](#)

University with Potential for Excellence	
Is the University Recognised as a University with Potential for Excellence (UPE) by the UGC?	No

Location, Area and Activity of Campus							
Campus Type	**Address**	**Location***	**Campus Area in Acres**	**Built up Area in sq.mts.**	**Programmes Offered**	**Date of Establishment**	**Date of Recognition by UGC/MHRD**
Main campus	Dr. D. Y. Patil Vidyapeeth (Deemed to be University), Sant Tukaram Nagar, Pimpri, Pune	Urban	15	10581	One Hundred Nineteen		
Institutes	*Dr. D. Y. Patil Medical College, Hospital And Research Centre, Pimpri, Pimpri-*	*Urban*	*10*	*110864*	*Fifty Six*	*09-04-1996*	*11-01-2003*

	chinchw ad, Pune - 411018						
Institutes	*Dr. D. Y. Patil Dental College And Hospital , Pimpri, Pimpri- chinchw ad, Pune - 411018*	*Urban*	*5*	*15700*	*Thirteen*	*11-09-2000*	*20-09-2006*
Institutes	*Dr. D. Y. Patil College Of Nursing, Pimpri, Pimpri- chinchw ad, Pune - 411018*	*Urban*	*1*	*2974*	*Seven*	*18-02-2000*	*20-09-2006*
Institutes	*Dr. D. Y. Patil College Of Physi otherap y, Pimpri, Pimpri- chinchw ad, Pune - 411018*	*Urban*	*1*	*3820*	*Ten*	*03-05-2000*	*20-09-2006*
Institutes	*Dr. D. Y. Patil Biotech nology And Bio*	*Urban*	*2.5*	*8996*	*Five*	*01-07-2004*	*16-03-2010*

	informatics Institute, Tathawade, Pimpri-chinchwad, Pune - 411033						
Institutes	*Dr. D. Y. Patil Institute Of Optometry And Visual Sciences, Pimpri, Pimpri-chinchwad, Pune - 411018*	*Urban*	*0.5*	*846*	*Four*	*01-07-2005*	*16-03-2010*
Institutes	*Global Business School And Research Centre, Tathawade, Pimpri-chinchwad, Pune - 411033*	*Urban*	*0.5*	*11696*	*Three*	*03-07-2006*	*16-03-2010*
Institutes	*Dr. D. Y. Patil College Of Ayurved And Research Centre,*	*Urban*	*5*	*11969*	*Sixteen*	*14-07-2000*	*23-02-2018*

	Pimpri, Pimpri-chinchw ad, Pune - 411018						
Institutes	*Dr. D. Y. Patil Homoeo pathic Medical College And Researc h Centre, Pimpri, Pimpri-chinchw ad, Pune - 411018*	*Urban*	*2*	*6323*	*Five*	*21-07-2000*	*23-02-2018*

2.2 ACADEMIC INFORMATION

Furnish the Details of Colleges of University

Type Of Colleges	Numbers
Constituent Colleges	9
Affiliated Colleges	0
Colleges Under 2(f)	0
Colleges Under 2(f) and 12B	0
NAAC Accredited Colleges	0
Colleges with Potential for Excellence(UGC)	0
Autonomous Colleges	0
Colleges with Postgraduate Departments	0
Colleges with Research Departments	0
University Recognized Research Institutes/Centers	0

SRA program	Document
CCH	104538_4850_9_1582372434.pdf
CCIM	104538_4850_10_1582372419.pdf
INC	104538_4850_7_1584429501.pdf
AICTE	104538_4850_1_1582372398.pdf
DCI	104538_4850_5_1584429512.pdf
MCI	104538_4850_2_1582372426.pdf

Is the University Offering any Programmes Recognised by any Statutory Regulatory Authority (SRA) : Yes

Details Of Teaching & Non-Teaching Staff Of University

Teaching Faculty											
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned				208				153				219
Recruited	122	86	0	208	85	68	0	153	106	113	0	219
Yet to Recruit				0				0				0
On Contract	0	0	0	0	0	0	0	0	0	0	0	0

	Lecturer				**Tutor / Clinical Instructor**				**Senior Resident**			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned				62				62				45
Recruited	35	27	0	62	13	49	0	62	24	21	0	45
Yet to Recruit				0				0				0
On Contract	0	0	0	0	0	0	0	0	0	0	0	0

Non-Teaching Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned				3633
Recruited	1372	2261	0	3633
Yet to Recruit				0
On Contract	0	0	0	0

Technical Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned				405
Recruited	267	138	0	405
Yet to Recruit				0
On Contract	0	0	0	0

Qualification Details of the Teaching Staff

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Permanent Teachers									
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	31	16	0	21	10	0	22	19	0	119
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	91	70	0	64	56	0	84	93	0	458

Highest Qualification	**Lecturer**			**Tutor / Clinical Instructor**			**Senior Resident**		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	1	0	0	1	3	0	5
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	35	26	0	2	16	0	23	18	0	120

Temporary Teachers									
Highest Qualificatio n	**Professor**			**Associate Professor**			**Assistant Professor**		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

Highest Qualificatio n	**Lecturer**			**Tutor / Clinical Instructor**			**Senior Resident**		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers									
Highest Qualificatio n	**Professor**			**Associate Professor**			**Assistant Professor**		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

Highest Qualificatio n	**Lecturer**			**Tutor / Clinical Instructor**			**Senior Resident**		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

Distinguished Academicians Appointed As

	Male	**Female**	**Others**	**Total**
Emeritus Professor	5	0	0	5
Adjunct Professor	25	12	0	37
Visiting Professor	82	32	0	114

Chairs Instituted by the University

Sl.No	Name of the Department	Name of the Chair	Name of the Sponsor Organisation/Agency
1	Dr. D. Y. Patil Vidyapeeth Pune Deemed to be University	UNESCO Chair in Bioethics Haifa	International Bioethics Network of the UNESCO Chair in Bioethics
2	Dr. D. Y. Patil Vidyapeeth Pune Deemed to be University	Chair in Marathi	Dr. D. Y. Patil Vidyapeeth Pune Deemed to be University

Provide the Following Details of Students Enrolled in the University During the Current Academic Year

Programme		From the State Where University is Located	From Other States of India	NRI Students	Foreign Students	Total
PG Diploma recognised by statutory authority including university	Male	2	8	0	0	10
	Female	2	5	0	0	7
	Others	0	0	0	0	0
Doctoral (Ph.D)	Male	112	8	0	0	120
	Female	100	6	0	0	106
	Others	0	0	0	0	0
Diploma	Male	13	0	0	0	13
	Female	7	0	0	0	7
	Others	0	0	0	0	0
Post Master's (DM,Ayurveda Vachaspathi,M. Ch)	Male	8	15	0	0	23
	Female	1	3	0	0	4
	Others	0	0	0	0	0
UG	Male	655	586	15	10	1266
	Female	1185	815	10	5	2015
	Others	0	0	0	0	0
PG	Male	237	297	3	0	537
	Female	305	276	3	1	585
	Others	0	0	0	0	0
Certificate / Awareness	Male	0	0	0	0	0
	Female	0	0	0	0	0
	Others	0	0	0	0	0

Does the University offer any Integrated Programmes?	Yes
Total Number of Integrated Programme	1

Integrated Programme	From the State where university is located	From other States of India	NRI students	Foreign Students	Total
Male	23	16	0	0	39
Female	57	36	1	0	94
Others	0	0	0	0	0

Details of UGC Human Resource Development Centre, If applicable

Year of Establishment	01-01-1970
Number of UGC Orientation Programmes	0
Number of UGC Refresher Course	0
Number of University's own Programmes	0
Total Number of Programmes Conducted (last five years)	0

Accreditation Details

Cycle Info	Accreditation	Grade	CGPA	Upload Peer Team Report
Cycle 1	Accreditation	3.08	A	1. NAAC Certificate - 2009.pdf
Cycle 2	Accreditation	3.62	A	3. NAAC Certificate - 2015.pdf

General Facilities	
Campus Type: Dr. D. Y. Patil Vidyapeeth (Deemed to be University), Sant Tukaram Nagar, Pimpri, Pune	
Facility	**Status**
• Auditorium/seminar complex with infrastructural facilities	Yes
• **Sports facilities**	
* Outdoor	Yes
* Indoor	Yes
• Residential facilities for faculty and non-teaching staff	Yes
• Cafeteria	Yes
• **Health Centre**	
* First aid facility	Yes
* Outpatient facility	Yes
* Inpatient facility	Yes
* Ambulance facility	Yes
* Emergency care facility	Yes
• **Health centre staff**	
* Qualified Doctor (Full time)	577
* Qualified Doctor (Part time)	67
* Qualified Nurse (Full time)	902
* Qualified Nurse (Part time)	0
• Facilities like banking, post office, book shops, etc.	Yes
• Transport facilities to cater to the needs of the students and staff	Yes
• Facilities for persons with disabilities	Yes
• Animal house	Yes
• Power house	Yes
• Fire safety measures	Yes
• Waste management facility, particularly bio-hazardous waste	Yes
• Potable water and water treatment	Yes

• Renewable / Alternative sources of energy	**Yes**
• Any other facility	**Robotic Surgery facility, Pollution Free Vehicles, Green Education Campus, Solar Energy, Pedestrian-Friendly Pathway, Day Care Centre, 24x7 Pharmacy, Yoga Centre, Panchakarma Facility, Common Transport Facility, Accommodation Facility**

Hostel Details		
Hostel Type	**No Of Hostels**	**No Of Inmates**
* Boys' hostel	3	531
* Girls's hostel	5	1635
* Overseas students hostel	0	0
* Hostel for interns	3	255
* PG Hostel	4	580

Health Professional Education Unit / Cell / Department		
Year of Establishment: **11-01-2003**		
Education Programs Conducted	**Number Programs Conducted**	**Duration in Months**
* Induction	24	1
* Orientation	41	1
* Refresher	34	1
* Post Graduate	44	1

Extended Profile

1 Program

1.1

Number of all programs offered by the institution during the last five years

Response: 119

File Description	Document
Institutional data in prescribed format	View Document

2 Students

2.1

Number of students year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
4826	4136	3878	3614	3310

File Description	Document
Institutional data in prescribed format	View Document

2.2

Number of graduated students year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
1049	1022	869	786	709

File Description	Document
Institutional data in prescribed format	View Document

3 Teachers

3.1

Number of full time teachers year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
642	535	525	496	501

File Description	Document
Institutional data in prescribed format	View Document

3.2

Number of sanctioned posts year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
642	535	525	496	501

File Description	Document
Institutional data in prescribed format	View Document

4 Institution

4.1

Total Expenditure excluding salary year-wise during the last five years (INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
24806.35	18307.26	16061.79	16949.21	9149.31

File Description	Document
Institutional data in prescribed format	View Document

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curriculum Design and Development

1.1.1 Curricula developed and implemented have relevance to the local, national, regional and global health care needs which are visible in Programme Outcomes (POs), and Course Outcomes (COs) offered by the University, as per the norms of the Regulatory Bodies.

Response:

Dr. D. Y. Patil Vidyapeeth [DPU], Pune has nine constituent units under its ambit offering Undergraduate, Postgraduate (Degree and Diploma), Fellowship, Super Specialization, Certificate and Doctoral Degree Programmes recognized by respective Regulatory Bodies. The Vidyapeeth has Faculties (8), Boards of Studies (BoS) (14), Academic Council (AC) and Board of Management (BoM) by whom curricula are developed and implemented.

The curriculum design and development process take into consideration the local, national and regional needs as well as global health needs and follows regulatory norms of the Medical Council of India [MCI], Dental Council of India [DCI], Central Council of Homoeopathy [CCH], Central Council Of Indian Medicine [CCIM] Regulations, Indian Nursing Council [INC] and All India Council of Technical Education (AICTE). Inputs are also taken from institutional faculty, alumni and experts. This has helped to design the curriculum in a systematic way.

For curricular revision, recommendations of the Regulatory Bodies, feedback from teachers, students, employers, alumni and professionals are taken into consideration. Faculty members in the Departmental Curriculum Committee, Board of Studies and invited experts participate in the process.
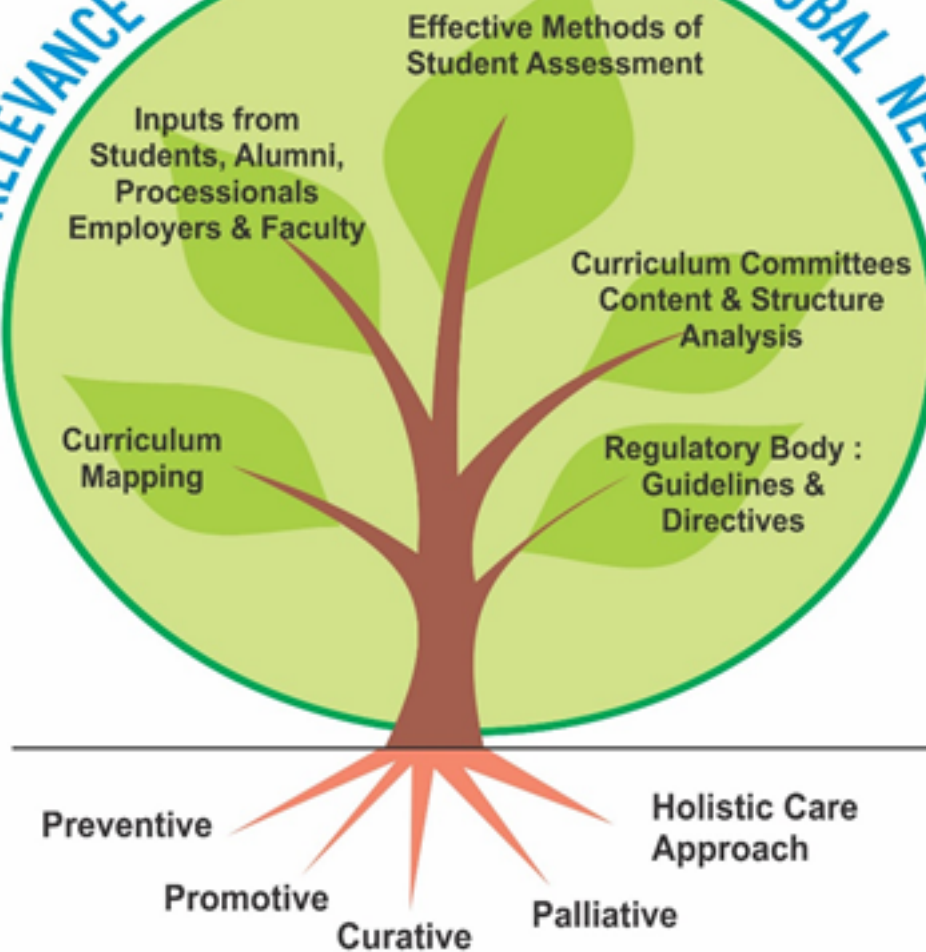
Relevance to local, national and regional goals as well as global health care needs:

The development of curricula is based on national and WHO goals of "Health for all" and as per regulatory directives for undergraduate and postgraduate education for health professionals. Curricula aim at producing health professionals to be competent, ethical, research-oriented, socially responsible and accountable. The programs of DPU are designed to provide requisite knowledge, skills, attitudes, values and responsiveness to function appropriately and effectively as the first contact of the community while being globally relevant.

Students should be competent to apply their knowledge and skills in daily practice to diagnose diseases and plan treatment, communicate effectively, provide excellent patient care and demonstrate leadership such as the ability to mobilize community resources for healthcare. It is ensured that the curriculum encourages entrepreneurship and provides course-specific professional skills, confidence to help them start their own ventures by way of introducing value-added courses.

According to the above principles, the POs and COs developed are clear, specific and measurable and are continuously reviewed to be fully aligned with local, national and regional goals to ensure their relevance to the expected outcomes.

DPU HEALTH FOR ALL

RELEVANCE TO LOCAL NATIONAL GLOBAL NEEDS

Effective Methods of Student Assessment

Inputs from Students, Alumni, Processionals Employers & Faculty

Curriculum Committees Content & Structure Analysis

Curriculum Mapping

Regulatory Body : Guidelines & Directives

Preventive

Promotive

Curative

Palliative

Holistic Care Approach

Curriculum Design and Development

Program Outcomes (POs) and Course Outcomes (COs) are observable and measure the following graduate attributes:

- Knowledge and Skills
- Planning and problem-solving abilities
- Communication
- Research Aptitude
- Professionalism and Ethics
- Leadership
- Societal Responsibilities
- Environment and Sustainability
- Lifelong Learner

Outcome Analysis: Continuous quality improvement has been ensured with a focus on the attainment of outcome competencies, the addition of new content as per need, employability, entrepreneurship and skills development. Each program of DPU has well-defined learning outcomes identifying knowledge, skills, attitude, and communication. These are assessed through

- formative and summative evaluations as reflected in the student assessment and performance based on tutorials, seminars, workshops, classroom tests and assignments, and student- projects
- data related to student placement and alumni
- performance in the professional examinations and
- exit interviews of students

File Description	Document
Any additional information	[View Document](#)
Link for Outcome analysis of POs, COs	[View Document](#)
Link for Curricula implemented by the University	[View Document](#)
Link for Additional Information	[View Document](#)

1.1.2 Percentage of Programmes where syllabus revision was carried out during the last five years

Response: 82.35

1.1.2.1 How many programs were revised out of total number of programs offered during the last five years

Response: 98

File Description	Document
Syllabus prior and post revision of the courses	[View Document](#)
Minutes of relevant Academic Council/BOS meetings	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Details of the revised Curricula/Syllabi of the programmes during the last five years	[View Document](#)
Any additional information	[View Document](#)

1.1.3 Provide a description of courses having focus on competency/ employability/ entrepreneurship/ skill-development offered either by the University or in collaboration with partner Institutions/Industries during the last five years

Response:

All programs offered at DPU focus on competency, employability, entrepreneurship and skill development which is reflected in the student assessment and performance of each course as well as data related student placement and alumni.

Professional competency

- The courses of various programs of the Vidyapeeth primarily focus on the acquisition of professional skills and competencies as mandated by the Regulatory Bodies and recommended by the Academic Council. This is reflected in an integrated curriculum.
- For the professional development of the students, relevant value added courses, CME's, workshops and guest lectures are organized
- It is ensured that proficiency is acquired through community postings, extension and outreach activities
- Through collaborations and MoUs with National and International academic institutions, industries, government and non-government organizations competencies are promoted. For example, the collaboration between DPU and Johns Hopkins University (USA) supports web-based learning regularly as also faculty and student exchange in medical faculty.
- Linnaeus-Palme Teachers' Exchange Program between DPU and University of Skövde (UoS) is funded by the Swedish Council of Higher Education, under which faculty members from DPU (Biotechnology Institute) visit UoS. Under the bilateral agreement between DPU and UoS, four students of M.Tech Biotechnology have completed their one year project at Sweden during 2016-17 and two students from UoS have spent one semester at DPU.

Skill development:

- Skills are imparted through training programs in Skills and simulations laboratories, mannequins and cadaveric workshops. In a few cases, specialized training in robotic surgery is being provided.
- Students are trained in Clinical skills such as psychomotor, cognitive and communication skills as part of the overall curriculum and Internship program.
- Vidyapeeth has Medical, Dental, Ayurveda and Homoeopathy teaching hospitals which foster clinical skills to all health care professionals.
- The industry-oriented curricula in Biotechnology and Management ensure industrial training, internships and conduct seminars, symposia and workshops under 'Industry Academia' conclave for the students.
- Research skills are provided through active collaboration between DPU and Praj Industries Ltd. on the development of microbes and microbial processes for the production of compounds of industrial significance. This project is supported by the Department of Biotechnology (DBT), Government of India.
- Vidyapeeth takes a variety of steps for capability enhancement, soft skills development, language and communication skill development, yoga and wellness, analytical skills development, human values development, personality and professional development and employability skill development.

Employability and Entrepreneurship

- Apart from competencies and skills, DPU has ensured the integration of entrepreneurship into overall curricula.
- To enhance employability and entrepreneurship Vidyapeeth offers the CBCS curriculum (Biotechnology, Management, Physiotherapy and Optometry) to provide opportunities for the students to explore additional avenues of learning beyond the core subjects for holistic development.
- For example, DPU (Biotechnology) has research-based collaborations with the UoS (Sweden) in the area of environment and health protection that has resulted in the generation of five patents.
- DPU Foundation for Innovation, Incubation and Entrepreneurship has been established under Section 8 of Companies Act *(ID No U85320PN2019NPL188312)* to foster creativity and innovation thereby promoting entrepreneurship amongst students.

File Description	Document
Any additional information	View Document
Link for courses having focus on competency/ employability/ entrepreneurship/ skill-development	View Document
Link for MOUs with Institutions / Industries for offering these courses	View Document
Link for additional information	View Document

1.2 Academic Flexibility

1.2.1 Percentage of Programmes in which Choice-Based Credit System (CBCS)/elective course system has been implemented, wherever provision was made by the Regulatory Bodies (Data for the preceding academic year).

Response: 100

1.2.1.1 Number of programmes in which CBCS/ Elective course system implemented.

Response: 18

1.2.1.2 Total number of Programmes where there is regulatory provision for CBCS / elective course system

Response: 18

File Description	Document
University letter stating implementation of CBCS by the institution	[View Document](#)
Structure of the program clearly indicating courses, credits/Electives as approved by the competent board	[View Document](#)
Minutes of relevant Academic Council/BoS meetings Clearing indicating the adoption of CBCS System and/or	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Document for Structure of Programs mentioning the Credit Allocation and Elective options	[View Document](#)

1.2.2 Percentage of new degree programmes, fellowships and diplomas introduced by the university across all Faculties during the last five years (certificate programmes are not to be included)

Response: 40.34

1.2.2.1 Number of new Degree Programmes, Fellowships and Diplomas introduced by the University during the last five years

Response: 48

File Description	Document
Minutes of relevant Academic Council/BoS meetings Clearing approving the introduction of new Degree Programmes, Fellowships and Diplomas claimed in the SSR	[View Document](#)
List of the new Programmes introduced during the last five years	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Link for additional information	[View Document](#)

1.2.3 Percentage of interdisciplinary courses under the programmes offered by the University during the last five years

Response: 65.44

1.2.3.1 Number of interdisciplinary courses offered by institution during the last five years

Response: 2215

1.2.3.2 Number of courses offered by the institution across all programs during the last five years

Response: 3385

File Description	Document
Minutes of relevant Academic Council/BoS meetings Clearly approving the interdisciplinary Courses with specifications of departments involved	[View Document](#)
List of Interdisciplinary courses under the programmes offered by the University during the last 5 years	[View Document](#)
Institutional data in prescribed format	[View Document](#)

1.3 Curriculum Enrichment

1.3.1 Institution integrates crosscutting issues relevant to Gender, Environment and Sustainability, Human Values, Health Determinants, Right to Health Issues, Emerging demographic changes and Professional Ethics in the curricula

Response:

DPU endeavors to implement a holistic curriculum considering factors like gender equity, human values, environmental sustainability, health determinants, emerging demographic changes, right to health and professional ethics. These cross-cutting issues are included in POs and COs and integrated into teaching-learning methods of the core curricula besides the value-added courses.

- **Gender:** DPU has annual gender sensitization action plan. DPU organizes gender sensitization, women empowerment, Beti Bachao, World Breastfeeding Week, Yashoda Milk Bank and Adolescent health education activities. Gender-related topics are taught in respective courses. Health camps are conducted regularly, and women's self-defense programs are also organized. International Women's Day is celebrated by way of walkathons, expert lectures, poster competitions and skits by students in all constituent units. The gender-related Institutional Committees meet regularly, make suggestions, and assign responsibilities for ensuring campus safety for women.
- **Environment and Sustainability:** DPU has prioritized environment and sustainability issues in all programs by including topics on environmental science like global warming and climate change, disaster management (floods, earthquakes, tsunamis) and relief planning besides environmental biotechnology (agriculture and marine). Medical and Dental streams have included it in community medicine and public health dentistry courses and in Ayurveda as a part of Dravyaguna, Swasthavrutta and Agadatantra. DPU has enforced strictly State Law on plastic-ban in the campus. Activities on Unnat Bharat Abhiyan, Swachchata Activity Plan, Swachchata Pakhwada and celebration of Earth Day plus World Environment Day are conducted. DPU is ISO 14001: 2015 certified Green Education Campus.
- **Human Values:** DPU emphasizes the inclusion of human values and ethics in curriculum and graduate attributes. The course design is based on the "UNESCO Bioethics Core Curriculum" for

which DPU has signed MOU with UNESCO. The curriculum is designed by considering bioethical principles of the Universal Declaration. Professional Ethics is included in the syllabi of Forensic Medicine and Toxicology.

- **Health Determinants:** Topics related to the determinants of health comprising of the social and economic environment, the physical environment, and individual characteristics along with behaviors are included in the curriculum. It is incorporated through extension and outreach activities besides diagnostic health camps, geriatric health camps, blood donation encampments as also organ donation and breast cancer awareness programs. Further activities on the healthcare of malnourished children, immunization camps, health education through national health programs like Mahatma Jyotiba Phule Jan Arogya Yojana, etc. are regularly conducted.

- **Right to Health Issues and emerging demographic changes:** Issues related to health equity, health determinants, demographic features and right to health are dealt with. The right to a standard of living adequate for the health and well-being of family including food, clothing and housing, and medical care are also included in the curriculum. Necessary social services are being discussed through lectures, seminars and expert sessions on health care management, health economics, insurance schemes, cost-effectiveness, etc. As a result of all these activities, DPU has received recognition as "Charity Hospital at poor patient's doorstep" by the Government of Maharashtra.

File Description	Document
List of courses that integrate crosscutting issues mentioned above	[View Document](#)
Any additional information	[View Document](#)
Link for list of courses that integrate crosscutting issues mentioned above	[View Document](#)
Link for description of the courses which address Gender, Environment and Sustainability, Human Values, Health Determinants, Right to Health Issues, Emerging demographic changes and Professional Ethics in the Curricula	[View Document](#)
Link for additional information	[View Document](#)

1.3.2 Number of value-added courses offered during the last five years that impart transferable and life skills.

Response: 42

1.3.2.1 Number of value-added courses are added within the last five years

Response: 42

File Description	Document
Institutional data in prescribed format	[View Document](#)
Brochure or Course content or syllabus relating to Value added courses to be uploaded in the SSR	[View Document](#)
Any additional informatiom	[View Document](#)
Link for additional information	[View Document](#)

1.3.3 Percentage of students successfully completed the value-added courses during the last five years

Response: 37.5

1.3.3.1 Number of students who successfully completed the value-added courses imparting transferable and life skills offered year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
2479	1761	1108	1165	899

File Description	Document
The institution should provide list of the students as per the requirement in the template failing which the claim will not be considered	[View Document](#)
Institutional data in prescribed format	[View Document](#)

1.3.4 Students undertaking field visits / research projects / Industry internships/ visits/Community postings as a part of curriculum enrichment

Response:

All the students (100%) undertake field projects/internships across all disciplines as a part of curriculum enrichment.

- **Field Visits**: Field projects and internships benefit all the students to prepare for their careers beyond graduation. These opportunities enable students to examine their career interests, enhance their career goals, strengthen transferable skills that are sought by employers, and augment their networking opportunities. Departments of constituent units encourage the students to obtain hands-on training exposure and research experience by providing opportunities to do summer internship programs at diagnostic laboratories/ research institutes/industries.
- **Internships**: Internship postings in all disciplines are followed meticulously. This gives them the basic clinical experience in all the disciplines and enables them to work as efficient health personnel. Students enrolled for internship have been undertaking field projects as a part of social

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responsibility and community outreach programs. In Physiotherapy at the postgraduate level, all the students embark on prospective/innovative studies towards partial fulfillment of the curriculum. Community posting is a mandatory requirement in the curriculum for students in all health sciences programs.

- **Industry internship**: Industry internship is an integral part of the two year MBA program. It is mandatory for all students of IInd year to complete two months of training in the industry. This provides hands-on experience to the students facilitating them to make a better career choice. Working in tandem with the industry gives insight into the alignment of course curriculum with industry requirements. Students understand that the courses are not taught in isolation but as per the dynamic needs of the industry. Students when they return to campus after completion of SIP share their knowledge and understanding of the industry. Taking a clue from these inputs, the institute also revised its curriculum wherever essential.
- **Research Projects:** Research projects are mandatory for all PG Programmes. Undergraduate students from the Medical and Dental faculty undertake ICMR-STS projects every year. Similarly, Biotechnology undergraduate students also have compulsory research projects as a part of the curriculum.
- **Community postings**: Community posting is a mandatory requirement in the curriculum for students in the Medical, Dental, Nursing and Physiotherapy Colleges, Ayurveda, Homeopathy, and optometry. DPU has a network of fourteen Satellite Health Centres including Rural (nine) and Urban (one) as well as secondary hospitals in rural areas for providing opportunities to the students for community-based learning. During clinical postings emphasis has been laid on practical "hands-on" experience. The concerned departments are motivated to develop a diary/logbook that gives details of tasks/cases to be seen by the students. In-field postings in community medicine, the students learn to comprehend the management of common ailments at the primary level in the urban and rural communities. They also learn about the medico-social problems of patients while attending the mobile clinic and the art of counseling in sex and marriage problems. The additional details are described in 4.1.1 and 4.2.3

File Description	Document
Any additional information	[View Document](#)
Link for list of Programmes and number of students undertaking field visits / research projects / internships/Industry visits/Community postings	[View Document](#)
Link for additional information	[View Document](#)

1.4 Feedback System

1.4.1 Mechanism is in place to obtain structured feedback on curricula/syllabi from various stakeholders.Structured feedback received from:

1. **Students**

2. **Teachers**
3. **Employers**
4. **Alumni**
5. **Professionals**

Response: A. All of the above

File Description	Document
Stakeholder feedback report as stated in the minutes of the Governing Council/Syndicate/ Board of Management	[View Document](#)
Sample filled in Structured Feedback to be provided by the institution for each category claimed in SSR	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Any additional information	[View Document](#)
Link for additional information	[View Document](#)
Link for feedback report from stakeholders	[View Document](#)

1.4.2 Feedback process of the Institution may be classified as:

Response: A. Feedback collected, analysed and action taken on feedback and such documents are made available on the institutional website

File Description	Document
Institutional data in prescribed format	[View Document](#)
Any other relevant information	[View Document](#)
Action taken report of the University on feedback report as stated in the minutes of the Governing Council/ Syndicate/ Board of Management	[View Document](#)
URL for stakeholder feedback report	[View Document](#)

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Due consideration is given to equity and inclusiveness by providing reservation of seats to all categories. Average percentage of seats filled against seats reserved for various categories as per applicable reservation policy during the last five years

Response: 100

2.1.1.1 Number of actual students admitted from the reserved categories year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
1764	1263	1141	1088	1033

2.1.1.2 Number of seats earmarked for reserved categories as per GOI or State Govt. norms year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
1764	1263	1141	1088	1033

File Description	Document
Institutional data in prescribed format	[View Document](#)
Initial reservation of seats for admission	[View Document](#)
Final admission list published by the HEI	[View Document](#)
Copy of letter issued by state govt. or and Central Government (which-ever applicable) Indicating the reserved categories to be considered as per the GO rule (translated in English)	[View Document](#)
Any additional information	[View Document](#)
Annual Report/ BOM report/ Admission report duly certified by the Head of the Institution.	[View Document](#)
Admission extract submitted to the state OBC, SC and ST cell every year.	[View Document](#)

2.1.2 Student Demand Ratio applicable to programmes where state / central common entrance tests

are not conducted

Response: 38:1

2.1.2.1 Number of eligible applications received year-wise during the last five years for programmes where State / Central Common Entrance Tests are not conducted

2018-19	2017-18	2016-17	2015-16	2014-15
4445	5077	4578	13198	11494

2.1.2.2 Number of seats available year-wise/eligible applications received during the last five years where *State / Central Common Entrance Tests are not conducted*

2018-19	2017-18	2016-17	2015-16	2014-15
907	755	878	1158	1125

File Description	Document
The details certified by the Controller of Examination or Registrar evaluation clearly mentioning the programs that are not covered under CET and the number of applications received for the same	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Extract of No. of application received in each program	[View Document](#)
Document relating to Sanction of intake	[View Document](#)
Any additional information	[View Document](#)

2.1.3 *Student enrollment pattern and student profile demonstrate - national/international spread of enrolled students from other states and countries*

Response: 39:1

2.1.3.1 Number of students from other states and countries year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
722	437	448	450	418

2.1.3.2 Total number of students enrolled in that year

2018-19	2017-18	2016-17	2015-16	2014-15
1764	1263	1141	1088	1033

File Description	Document
Previous degree/ Matriculation / HSC certificate from other state or country	View Document
List of students from other states and countries	View Document
Institutional data in prescribed format	View Document
E-copies of admission letters to the students enrolled from other States / Countries.	View Document
Copy of the domicile certificate as part of the from other states and countries and/or Previous degree/Matriculation / HSC certificate from other state or country	View Document

2.2 Catering to Student Diversity

2.2.1 The Institution assesses the learning levels of the students after admission and organises special programmes for advanced learners and slow performers   The Institution:

1. **Adopts measurable criteria to identify low performers.**
2. **Adopts measurable criteria to identify advanced learners**
3. **Organizes special programmes for low performers and advanced learners**
4. **Follows protocols to measure students' achievement**

Response: A. All of the above

File Description	Document
Proforma created to identify slow performers/advanced learners	[View Document](#)
Methodology and Criteria for the assessment of Learning levels Details of special programmes	[View Document](#)
Details of outcome measures	[View Document](#)
Consolidated report to Dean academics /Dean student's welfare on special programs for advanced learners and slow learners	[View Document](#)
Any additional information	[View Document](#)

2.2.2 Student - Full- time teacher ratio (data of preceding academic year)

Response: 8:1

File Description	Document
List of students enrolled in the preceding academic year	[View Document](#)
List of full time teachers in the preceding academic year in the University (with Designation and Highest Qualification)	[View Document](#)

2.3 Teaching- Learning Process

2.3.1 Student-centric methods, are used for enhancing learning experiences by:

- **Experiential learning**
- **Integrated/Inter-disciplinary learning**
- **Participatory learning**
- **Problem-solving methodologies**
- **Self-directed learning**
- **Patient-centric and Evidence-based learning**
- **The Humanities**
- **Project-based learning**
- **Role play**

Response:

The teaching-learning process at DPU is student-centric with a focus on active student engagement. Students receive authentic, hands on learning experiences with patients, in laboratories and community.

Experiential learning

- Emphasis is on development of skills, knowledge and health professional experience.
- Students rigorously learn clinical skills on patients in wards and out-patient clinics besides practicing in skills laboratory.
- First-hand learning experience is by community visits in both rural and urban areas, hospitals and other outreach activities to understand diverse social environments and its effect on health.
- Internships, student exchange programs, industrial/field trips, research projects and hands on training workshops enable students to gain diverse experiences relevant to learning objectives.

Integrated/Inter-disciplinary learning

- DPU has ensured inter-disciplinary learning by incorporating 2215 courses cutting across all Faculties in the last five years.
- Integration of teaching-learning is both horizontal and vertical. This is reflected in the lesson plans of various programs and ERP-learning management system.

Participatory learning

- Clinical learning is a major form of participatory learning for students by examining patients in OPD and wards through case-histories and formative feedback during the presentations.
- Participatory learning is also reinforced through internships, industrial visits, screening camps, community out-reach activities in the rural and urban settings.
- Innovation Council provides opportunity for student innovations and entrepreneurship.
- Involvement in extra-curricular and co-curricular activities offers a platform for participatory learning.

Problem-solving methodologies

- DPU ensures that students develop multiple perspectives in solving real-world problems by allotting projects (group/individual), case studies and problem-based learning scenarios.
- This enhances problem solving skills, analytical capability and critical thinking ability of learners, thus providing communicative, collaborative and co-operative learning opportunity, and allowing learner to listen, gather data, diagnose and critically evaluate options to solve problems.

Self-directed learning

- To achieve self-directed learning as an outcome, students are encouraged to undertake SWAYAM courses, small assignments, tasks and projects to practice goal-setting and working towards achieving these targets independently.
- Mentoring and support is provided to enable students to become confident self-directed learners.

Patient-centric and Evidence-based learning

- Students examine real patients and learn to diagnose and manage simple and complex problems. Practical skills are acquired by practicing diagnostic and therapeutic procedures in simulation laboratories and Operation Theatres. Patient-care outcomes provide evidence-based learning opportunity through clinical trials and audits.

The Humanities

- Humanities are taught through various events and activities including personality development, human values, professional ethics, communication and interpersonal skills, gender sensitization, stress management, counseling and guidance.

Project-based learning

- DPU supports research projects for dissertations/summer training/industrial training, ICMR-Short Term Studentship (STS) projects to UG and PG students for inculcating analytical and innovative skills.

Role play

- DPU uses role play as effective method of teaching communication skills, ethical issues, humanities, social issues, patient counseling and gender sensitization.
- Enacting various simulated roles facilitates understanding of aspects which are not overt by conventional teaching. Due to its participatory nature it is well liked and quite popular among the students.

File Description	Document
Link for list of student-centric methods used for enhancing learning experiences	[View Document](#)
Link for additional information	[View Document](#)

2.3.2 Has provision for the use of Clinical Skills Laboratory and Simulation Based Learning The Institution:

1. Has Basic Clinical Skills Training Models and Trainers for clinical skills in the relevant disciplines.
2. Has advanced patient simulators for simulation-based training

3. **Has structured programs for training and assessment of students in Clinical Skills Lab / Simulation centre**
4. **Conducts training programs for the faculty in the use of clinical skills lab and simulation methods of teaching-learning**

Response: A. All of the above

File Description	Document
Report on training programmes in Clinical skill lab/simulator Centre	[View Document](#)
Proof of patient simulators for simulation-based training	[View Document](#)
Proof of Establishment of Clinical Skill Laboratories	[View Document](#)
List of clinical skills training modals	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Geotagged photographs of clinical sills lab facilities, clinical skills modals, patients simulators	[View Document](#)
Details of training programs conducted and details of participants	[View Document](#)
Any additional information	[View Document](#)

2.3.3 Teachers use ICT-enabled tools for effective teaching and learning process, including online e-resources

Response:

DPU has systematically planned its growth and development of ICT infrastructure of the Campus, Hospital and Institutions and support facilities required for professional education and health care supported with DPU-Enterprise Resource Planning (ERP) system.

ICT-enabled tools for effective teaching

- State-of-the-art ICT facilities such as Wi-Fi, web-based learning facilities, lecture capturing system in the classrooms and laboratories is put to use for effective teaching-learning process.
- Teachers adapt blended learning method using traditional and ICT enabled tools that includes LCD projectors, broad band internet connectivity through LAN or Wi-Fi.
- Smart class rooms with interactive boards and lecture capturing systems are used for lecturing as well as accessing information through online portal.
- Regular web-based learning program 'Clinical Global Health Education' in collaboration with Johns Hopkins University School of Medicine, USA has been jointly initiated and implemented successfully for about seven years.

ICT-enabled tools for effective learning process

- Computer facility in all the institutions is provided with more than 1 GB bandwidth that is effectively used for learning. Provision of e-campus facility to the students provide them liberty to use e-resources at any time. For instance, DPU-ERP is used in day- to -day academic and administrative transactions.
- The use of multimedia teaching aids like, LCD projectors, smart classrooms, and lecture capturing system, biometric based attendance, and virtual classroom for webinars/video conferencing/cybernetic device enabled classrooms, demonstration room, practical laboratory, and seminar halls, provide opportunity for enhanced learning.
- DPU also has well-equipped and ICT enabled research and instrumentation laboratory including regenerative medicine and molecular diagnostic laboratory that play a significant role in teaching and research training of students and Faculty.
- Virtual links to the guest lectures/webinars is provided. The clinical and scientific inputs are shared with the institutions in India and University like John Hopkins School of Medicine, USA.
- Online access has been provided to the students through individual logins to the DPU-ERP. The students can view lecture content and other resources uploaded by the teachers and access other e-resources using DPU-ERP.
- Departments are provided with state-of-the-art ICT based equipment's/software's like picture archiving and communication system (PACS), computer-aided diagnostic, therapeutic/surgical options and research-based tools.

Uses of online e-resources in teaching-learning process

- DPU has most modern library with a rich collection of print, e-books and free/subscribed standard databases (including NPTEL, J-GATE, Swayam, National Digital Library, EBSCO Host, e-shodhsindhu, World E Book Library, Shodhganga, and DELNET) with facilities for e-resources.
- All the teachers are trained to develop and use e-content for the teaching-learning.
- Online e-resources platforms like DYNAMED PLUS, Rehabilitation and Sports Medicine/Reference Sources, Dentistry and Oral Sciences Sources, (CINAHL PLUS/Nursing Reference Center), Biomedical Reference Center, SWAYAM, Massive Open online Courses (MOOCs) are effectively used for teaching learning.
- These e-resources are accessed at departmental/institutional levels and connected through centralized e-library and remote access by mobile applications anytime, anywhere and anyplace.

File Description	Document
Link for list of teachers using ICT-tools	[View Document](#)
Link of the details of ICT-enabled tools used for teaching and learning	[View Document](#)

2.3.4 Student :Mentor Ratio (preceding academic year)

Response: 8:1

2.3.4.1 Total number of mentors in the preceding academic year

Response: 637

File Description	Document
Records of mentors and mentees meetings.	View Document
Log Book of mentor	View Document
Institutional data in prescribed format	View Document
Details of fulltime teachers/other recognized mentors	View Document
Copy of circular pertaining the details of mentor and their allotted mentees	View Document
Approved Mentor list as announced by the HEI	View Document

2.4 Teacher Profile and Quality

2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years

Response: 100

File Description	Document
Year-wise list of fulltime teachers and sanctioned posts for the last 5 years (Certified by the Head of the Institution)	View Document
Position sanction letters by competent authority	View Document
Institutional data in prescribed format	View Document
Appointment letters of faculty during last five years	View Document

2.4.2 Average percentage of fulltime teachers with Ph.D./D.Sc./D.Lit./ DM/M Ch/DNB in super specialities /other PG degrees (like MD/ MS/ MDS etc.,) in Health Sciences for recognition as Ph.D guides as per the eligibility criteria stipulated by the Regulatory Councils / Universities during the last five years

Response: 50.01

2.4.2.1 Number of fulltime teachers with Ph.D/D.Sc./D.Lit./DM/M Ch/DNB in super specialities / other PG degrees (like MD/ MS/ MDS etc.,) in Health Sciences for recognition as Ph.D guides as per the eligibility criteria stipulated by the Regulatory Councils. Last five years data to be entered.

2018-19	2017-18	2016-17	2015-16	2014-15
318	273	253	253	252

File Description	Document
List of fulltime teachers with Ph.D/D.Sc./D.Lit./DM/M Ch/DNB in super specialities / other PG degrees (like MD/ MS/ MDS etc.,) in Health Sciences for recognition as Ph.D guides as per the eligibility criteria stipulated by the Regulatory Councils and the	View Document
Institutional data in prescribed format	View Document
Copies of Guide-ship letters or authorization of research guide provide by the competent authority	View Document

2.4.3 Average teaching experience of fulltime teachers in number of years (preceding academic year)

Response: 12.27

2.4.3.1 Total teaching experience of fulltime teachers in number of years (cumulative experience)

Response: 7879.58

File Description	Document
List of full-time teachers for the preceding academic year with their designation, department and number of years of teaching experience	View Document
Institutional data in prescribed format	View Document
Experience certificate of full time teacher	View Document

2.4.4 Average percentage of teachers trained for development and delivery of e-contents / e-courses / video lectures / demonstrations during the last 5 years.

Response: 53.09

2.4.4.1 Number of teachers trained for development and delivery of e-contents / e-courses / video lectures / demonstrations during the last 5 years

2018-19	2017-18	2016-17	2015-16	2014-15
402	293	275	246	231

File Description	Document
Reports of the e-training programmes	[View Document](#)
List of teachers trained for development and delivery of e-contents / e-courses / video lectures / demonstrations during the last 5 years	[View Document](#)
List of e-contents / e courses / video lectures / demonstrations developed	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Certificate of completion of training for development of and delivery of e-contents / e-courses / video lectures / demonstrations	[View Document](#)
Web-link to the contents delivered by the faculty hosted in the HEI's website	[View Document](#)

2.4.5 Average percentage of fulltime teachers who received awards and recognitions for excellence in teaching, student mentoring, scholarships, professional achievements and academic leadership at State, National, International levels from Government / Government-recognized agencies / registered professional associations / academics during the last five years

Response: 5.09

2.4.5.1 Number of fulltime teachers who received awards and recognitions for excellence in teaching and student mentoring, scholarships, professional achievements and academic leadership at State, National, International levels from Government / Government-recognized agencies / registered professional associations */ academies* during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
53	38	16	20	15

File Description	Document
Institutional data in prescribed format	[View Document](#)
Certified e-copies of award letters (scanned or soft copy)	[View Document](#)

2.5 Evaluation Process and Reforms

2.5.1 Average number of days from the date of last semester-end/ year- end examination to the date of declaration of results during the last five years

Response: 10.2

2.5.1.1 Number of days from the date of last semester-end/ year- end examination to the date of declaration of results year-wise in that year and during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
5	7	12	13	14

File Description	Document
Reports from Controller of Exam (COE) office/ Annual reports mentioning the relevant details.	[View Document](#)
List of programmes and dates of last semester-end/year-end examinations and the dates of declaration of results	[View Document](#)
Institutional data in prescribed format	[View Document](#)

2.5.2 Average percentage of student complaints/grievances about evaluation against total number of students appeared in the examinations during the last five years

Response: 1.05

2.5.2.1 Number of student complaints/grievances about evaluation year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
32	65	67	41	34

2.5.2.2 Number of students who have appeared for the exams year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
6194	5216	4563	4039	3457

File Description	Document
Reports of Examination Sections	[View Document](#)
Minutes of the grievance cell / relevant body	[View Document](#)
List of complaints / grievances year-wise during the last 5 years	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Certificate from Registrar / Controller of examination / Data on student grievances from the office of the Registrar (Evaluation)	[View Document](#)

2.5.3 Evaluation-related Grievance Redressal mechanism followed by the Institution: ... The University adopts the following for the redressal of evaluation-related grievances. Options(Opt one which is applicable to you):

1. **Double valuation/Multiple valuation with appeal process for retotalling/revaluation and access to answer script**
2. **Double Valuation/Multiple valuation with appeal process for revaluation only**
3. **Double Valuation/Multiple valuation with appeal process for retotalling only**
4. **Single valuation and appeal process for revaluation**
5. **Grievance Redressal mechanism does not exist**

Response: A. Double valuation/Multiple valuation with appeal process for retotalling/revaluation and access to answer script

File Description	Document
Report of the Controller of Examination/ registrar evaluation regarding the Grievance Redressal mechanism followed by the Institution	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Provide links to the examination procedure and re-evaluation procedure developed by the institution and duly hosted in the institution's website	[View Document](#)
Link for additional information	[View Document](#)

2.5.4 Reforms in the process and procedure in the conduct of evaluation/examination; including Continuous Internal Assessment to improve the examination system.

Response:

Examination procedures

1. The academic calendar is prepared at institutional level and approved by Faculty, Academic Council (AC) and Board of Management (BoM).
2. All the rules and regulations are strictly followed for the conduct of formative and summative examinations.
3. The Papers are set by both external and internal examiners. Four sets of question papers are submitted and moderator ensures that the whole syllabus is covered and different levels of cognition are also incorporated.
4. The printed question papers thus received are coded & stored in the Strong Room, with regulated access. The Question Papers are handed over to the Centre In-Charge just half an hour before the start of the examination.
5. Vidyapeeth Examinations are conducted in respective institution, under CCTV surveillance and examination halls are provided with mobile jammers.
6. The papers are assessed through Central Assessment Programme (CAP) by strictly defined protocol:

a) Declare results in the shortest possible time,

b) Increase in the reliability of results,

c) Improve accuracy and efficiency in the declaration of results.

1. The average of total marks given by two examiners are considered for final computation. If there is a difference in marks of more than 20%, the said paper is evaluated by a third examiner. The final marks which are considered as the higher marks closer to the two examiners' marks.
2. The evaluation process of the university is designed within the framework of the guidelines stipulated by the respective apex bodies, after the discussion in BoS and approved by AC and the BoM.
3. Features included to ensure security in Statement of Marks are namely Micro Lettering, Water Mark, MICR Numbering and Hologram.
4. The DPU Examination Manual includes CentralAssessmentProgramme, bylaws concerning unfair means and General Guidelines for All India Common Entrance Test.
5. The new UGC regulation for Ph.D have been introduced by the Vidyapeeth from the academic year 2017-2018.

Processes integrating IT

- Online filing of examination forms
- Online hall ticket distribution
- Online Fee Payment
- Online Ph.D. and MBA entrance examination
- Online submission of practical examination marks
- Online internal exam and submission of marks
- Onscreen evaluation of theory papers of BBA

Continuous internal assessment system

DPU follows 80:20, 75:25 and 60:40 pattern as per the guidelines of regulatory bodies. In the internal assessment, oral, practical, theory and journal submission etc. is included.

Competency-based assessment

Competencies have been assessed in the examination setting using simulations with tools study as an Objective Structured Clinical Examination (OSCE)

Workplace-based assessment

DPU has adopted a Miller's focus work for assessing clinical competency performance. Management and Biotechnology programmes are assessed according to the industry requirements. For patient assessment, a structured checklist is designed to give guidance for assessors.

Self assessment

It includes written examination with MCQs, True/False, Essay and performance by looking at student logbook, portfolio, video etc. In management institute, presentations ensure communication skills and boosting the confidence of the students.

OSCE/OSPE

These have been introduced to evaluate clinical competency of Health Science Undergraduate students.

File Description	Document
Any additional information	[View Document](#)
Link for details of examination reforms implemented during the last 5 years	[View Document](#)
Link for additional information	[View Document](#)

2.5.5 Status of automation of Examination division using Examination Management Systems (EMS) along with approved online Examination Manual

1. **Complete automation of entire division & implementation of Examination Management System (EMS)**
2. **Student registration, hall ticket issue & result processing**

3. Student registration and result processing

4. Result processing

5. Manual methodology

Response: All of the above

File Description	Document
The present status of automation., Invoice of the software, & screenshots of software	[View Document](#)
Snap shot of EMS used by the institution	[View Document](#)
Copies of the purchase order of the software/AMC of the software	[View Document](#)
Annual report of examination including present status of automation as approved by BOM / Syndicate / Governing Council	[View Document](#)

2.6 Student Performance and Learning Outcomes

2.6.1 The institution has stated learning outcomes /graduate attributes as per the provision of Regulatory bodies which are integrated into the assessment process and widely publicized through the website and other documents

Response:

- DPU has integrated learning outcomes/graduate attributes into the curriculum as per the provisions of UGC, AICTE, MCI, DCI, INC, CCH and CCIM etc. The detailed documents to highlight the learning outcomes/graduate attributes are uploaded on the Vidyapeeth website.

- Graduate Attributes (GAs) at Management, Biotechnology Institutes and other institutes articulate the generic abilities in undergraduate and PG programs. The Program Outcomes (POs) in these programs reflect the skills, knowledge and abilities of graduates regardless of the field of study.

- Examinations not only assess student's grades, but also measure attainment of POs and desired learning outcomes have been achieved. Case Studies, Practical, Lab tests and other learning and assessment activities viva, presentations, group discussions are designed and organized to help students to achieve the learning outcomes.

- A wide range of assessment methods like term papers, open ended problem-solving assignments, MCQs, SAQs are applied to ensure that assessment methods match with learning outcomes.

- It is ensured that Learning Outcomes for various programmes is placed before the BoM every year which includes Clinical skills, Practical procedures, Patient investigation, Patient

management, Health promotion and disease prevention besides demonstrating knowledge about human structure, function and development from a molecular, cellular, biologic, clinical, behavioral and social perspective.

- Further through the examination it is evaluated that Medical students possess the knowledge of medico-legal, societal, ethical and humanitarian principles that influence health care and demonstrate knowledge of national and regional health care policies including the National Health Mission that incorporates National Rural Health Mission (NRHM) and National Urban Health Mission (NUHM) frameworks, health care delivery, disease prevention, effectiveness, responsiveness, quality and patient safety.
- In Dental stream, effective clinical problem solving, judgment and ability to interpret and integrate available data in order to address patient problems, generate differential diagnosis and develop individualized management plans that include preventive, promotive and therapeutic goals which are tested through practical examination.
- The student's ability to maintain accurate, clear and appropriate record of the patient in confirmation with legal and administrative frameworks has also been evaluated.
- Attainment of Learning Outcomes by appropriate diagnostic tests and interpretation based on scientific validity, evidence and cost effectiveness and clinical context.
- Graduate Attributes demonstrate ability to prescribe and safely administer appropriate therapies including nutritional interventions, pharmacotherapy and interventions based on the principles of rational drug therapy, scientific validity, evidence and cost that conforming to national and regional health programs and policies are part of the assessment.

This ensures familiarity with basic and clinical research as it applies to the care of the patient and also educate and motivate other members of the team and work in a collaborative and collegial fashion that will help maximize the health care delivery potential of the team.

File Description	Document
Link for methods of the assessment of learning outcomes and graduate attributes	[View Document](#)
Link for relevant documents pertaining to learning outcomes and graduate attributes	[View Document](#)

2.6.2 Incremental performance in Pass percentage of final year students during last five years

Response: 94.49

2.6.2.1 Number of final year students of all the programmes, who qualified in the university examinations in each of the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
1011	988	838	712	691

2.6.2.2 Number of final year students of all the programmes, who appeared for the examinations in each of the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
1078	1038	878	748	740

File Description	Document
Trend analysis in graphic form (Refer annexure 02 of SOP)	[View Document](#)
List of Programmes and the number of students appeared and the number of students passed in the final year examination each year for the last five years	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Annual reports of examination results as placed before BOM/ Syndicate/ Governing Council for the last five years	[View Document](#)

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response:

File Description	Document
Institutional data in prescribed format	[View Document](#)

Criterion 3 - Research, Innovations and Extension

3.1 Promotion of Research and Facilities

3.1.1 The institution has a well defined Research promotion policy and the same is uploaded on the institutional website

Response:

INSTITUTIONAL RESEARCH PROMOTION POLICY

Dr. D.Y. Patil Vidyapeeth has a well-defined policy for the promotion of research. This is reflected in the Research Policy Document approved by Board of Management vide resolution number DPU/270/18: Item No. BH-38-18. Considering health as a fundamental right for national development, maintenance of health using appropriate strategy forms the core of DPU Research Policy. Hence, the research policy document of the Vidyapeeth has mainly laid emphasis on promotion of health science research.

RESEARCH PROMOTION AVENUES OF VIDYAPEETH

1. Rigorous **training and awareness activities.**
2. State of the art **infrastructure, equipment and instrument** support for research work.
3. *Good Manufacturing Practices* (DGHS, Government of India) certified laboratories (Regenerative Medicine Laboratory and Pharmacy Ayurved College).
4. Provision of DPU **seed research grant**.
5. **Financial support** for attending conferences.
6. **Publication incentives.**
7. Financial support for **Patent filing**.
8. Provision of **PhD and Post-Doctoral fellowships**.
9. **Fee concession** for in-house PhD scholars.
10. **Anti-Plagiarism software** support.
11. Availability of **e-Databases** (Scopus, EbscoHost, Elsevier Clinical Key, Proquest, J-Gate etc.)
12. Promotion of UG research by providing **DPU-STS funds.**

ASSIGNED BUDGET FOR RESEARCH AND ITS UTILIZATION

The Vidyapeeth research budget for last 5 years is as follows:

Details	2014-15	2015-16	2016-17	2017-1
Research Budget (Rs. in Lakhs)	11,70.23	6,10.21	7,80.30	9,83.24
As % of Total Budgeted Cost	5.36%	2.22%	2.80%	2.51%

The above research budget is spread over various heads such as salary of staff, costs being incurred against research grants received, seed money for research projects and allocation of a percentage of laboratory

equipment and consumable expenses. Provision of seed grant encourages faculty to identify research problems and gather relevant data for publications. This mechanism provides initial training for putting proposals in attracting funding from external agencies.

METHOD FOR IMPLEMENTATION AND MONITORING

The allocated budget amount is utilized for the procurement of research equipment, seed money, reimbursement for conferences and workshop expenses, publication incentives, incentives for awards and recognitions, etc. The Vidyapeeth has constituted Board of Research where researchers of repute are invited as external members. Meetings are held annually where the research progress of the various constituent units of the Vidyapeeth is highlighted. For the disbursement of seed money grant sanctioned by DPU there is a separate committee constituted by Vice Chancellor under the Chairmanship of Director Research. This committee scrutinises the proposals invited by the Vidyapeeth from the constituent units and recommends the short-listed proposals for funding. Moreover, the team constituting the Director Research, Deputy Director Research along with Finance Officer periodically conduct meetings to monitor the progress of the seed money provided to the faculty members. The details of the research output for the seed money is given in 3.1.2.

FUTURE PLANS

1. Intensification of **inter-disciplinary research** activities.
2. Increase in the number of **patents**.
3. Focus on **quality publications**.
4. Enhancing the activities of **Incubation Center and Innovation Councils**.
5. Strengthen the national and international **collaborative activities.**

File Description	Document
Minutes of the meetings of Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	**View Document**
Document on Research promotion policy	**View Document**
Any additional information	**View Document**
Link for additional information	**View Document**

3.1.2 The institution provides seed money to its teachers for research (average per year)

Response: 78.66

3.1.2.1 The amount of seed money provided by institution to its faculty year-wise during the last five

years(INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
67.52	68.78	73.37	98.52	85.12

File Description	Document
Minutes of meetings of the relevant bodies of the University	[View Document](#)
List of teachers receiving seed money and details of seed money received	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized (Refer annexure number -01)	[View Document](#)
Any additional information	[View Document](#)

3.1.3 Average Percentage of teachers awarded national/ international fellowship / Financial support for advanced studies/collaborative research participation in Indian and Overseas Institutions during the last five years

Response: 14.87

3.1.3.1 Number of teachers awarded national/ international fellowship / Financial support for advanced studies/collaborative research and conference participation in Indian and Overseas Institutions year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
168	67	47	70	63

File Description	Document
List of teachers and their national/international fellowship details	[View Document](#)
Certified e-copies of the award / recognition letters of the teachers	[View Document](#)
any additional information	[View Document](#)

3.1.4 Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates, other research fellows in the university enrolled during the last five years

Response: 299

3.1.4.1 The Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other research fellows in the university enrolled year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
115	60	39	51	34

File Description	Document
Registration and guide / mentor allocation by the institution	[View Document](#)
List of research fellows and their fellowship details	[View Document](#)
Institutional data in prescribed format	[View Document](#)
E copies of fellowship award letters	[View Document](#)

3.1.5 University has the following facilities

1. **Central Research Laboratory / Central Research Facility**
2. **Animal House/ Medicinal Plant Garden / Museum**
3. **Media laboratory/Business Lab/e-resource Studios**
4. **Research/Statistical Databases/Health Informatics**
5. **Clinical Trial Centre**

Response: All of the above

File Description	Document
List of facilities available in the university and their year of establishment	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Videos and geo-tagged photographs	[View Document](#)

3.1.6 *Percentage of departments with recognition by ICMR-CAR, DST-FIST, DBT, MCI, DCI, PCI, AICTE, AYUSH, NACO, WHO, NIH etc. and other similar recognitions by national and international agencies,* (excluding mandatory recognitions by Regulatory Councils for UG /PG programmes)

Response: 21.43

3.1.6.1 The Number of departments with recognition by ICMR-CAR, DST-FIST, DBT, MCI, DCI, PCI, AICTE, AYUSH, NACO, WHO, NIH etc. and other similar recognitions by national and international agencies

2018-19	2017-18	2016-17	2015-16	2014-15
26	6	6	5	5

3.1.6.2 Number of departments offering academic programmes year - wise during last five years.

2018-19	2017-18	2016-17	2015-16	2014-15
68	39	39	39	39

File Description	Document
Institutional data in prescribed format	View Document
e-version of departmental recognition award letters	View Document
Details of the departments offering academic programmes certified by the head of the Institution /University	View Document

3.2 Resource Mobilization for Research

3.2.1 Total Grants for research projects / clinical trials sponsored by non-government sources such as industry, corporate houses, international bodies, endowments, professional associations, endowment-Chairs etc., in the Institution during the last five years

Response: 163

3.2.1.1 Grants for research projects sponsored by non-government sources such as industry, corporate houses, international bodies, endowments, professional associations, endowment-Chairs in the institution year-wise during the last five years (INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
25	33	54	14	37

File Description	Document
Institutional data in prescribed format	View Document
e-copies of the grant award letters for research projects sponsored by non-government organizations	View Document
e-copies of grants awarded for clinical trials	View Document

3.2.2 Grants for research projects/clinical research project sponsored by the government funding agencies during the last five years

Response: 1104

3.2.2.1 Grants for research projects/clinical trials sponsored by government sources year-wise during the last five years (INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
30	91	867	83	33

File Description	Document
Institutional data in prescribed format	View Document
E-copies of the grant award letters for research projects sponsored by government agencies	View Document

3.2.3 Ratio of research projects/clinical trials per teacher funded by government/industries and non-government agencies during the last five years.

Response: 0:1

3.2.3.1 Number of research projects/clinical trials funded by government/industries and non-government agencies year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
41	16	24	49	28

File Description	Document
Supporting document/s from Funding Agencies	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Copy of the letter indicating sanction of research project funded by govt./non-govt agency and industry including details of name of teacher and amount in INR	[View Document](#)

3.3 Innovation Ecosystem

3.3.1 Institution has created an ecosystem for innovations and entrepreneurship with an Incubation centre, entrepreneurship cell

Response:

INCUBATION CENTRE

The Vidyapeeth has established an *Incubation Centre* to facilitate and create an eco-system that is required for the entrepreneurial growth of the institution. The constituent units of the Vidyapeeth have established respective *Innovation Councils* as per the norms of the MHRD's Innovation Cell. It aims at motivating faculty and students for nurturing novel ideas who have a passion for generating new product/process/knowledge. Taking the initiative further, Vidyapeeth has established *"DPU FOUNDATION FOR INNOVATION INCUBATION & ENTREPRENEURSHIP"* under the **Section 8 of Companies Act 2013** for the promotion of Innovation, Incubation & Entrepreneurship, which will work as an incubator and promote to incubate the start-ups. Under this center the Vidyapeeth has initiated the process of filing patents and copyrights. Regular meetings are conducted by the members of the Incubation Cells of the Vidyapeeth at different constituent units for identifying and nurturing the potential ideas. Every year various activities conducted by the cell are uploaded.

- The *Advisory Council of the DPU Foundation for Innovation and Incubation* conducts the regular meetings to review the activities of the innovation councils of the constituent units. The innovation council continuously undertakes activities to create awareness among students and faculty for nurturing new ideas and development of innovative products. They also undertake review of these products and ideas, and shortlist potential ideas and products for refereeing to Incubation Center for further processing.
- The *Incubation Center* reviews these products and ideas, guides the students/faculty members for any modifications before taking them forward for further processing for patent filing/copyrights/products.

The *Biotechnology and Bioinformatics Institute* has received funding from **BIRAC through the BIRAC-GYTI award**. It was for an innovation that was done at the institute in the area of Microbial Biodiversity with Praj Industries, Pune. So far seven patents have been filed from the Biotech Institute and several others are in pipeline. In fact, one product on probiotics is being tested for commercial potential by *"Agroinnovations India Pvt. Ltd.",* which will be given license for further commercialization.

Biotechnology Ignition Grant: Awareness talk for BIG grant was conducted by **Venture Center, Pune** (India's leading inventive enterprises incubator) for sensitization of the faculty. Faculty from Dental College has received a grant of 50 lakhs from BIG. Details of the same have been uploaded.

ENTERPRENEURSHIP CELL/START-UP AND INNOVATION CELL

The Biotechnology and Bioinformatics Institute has started funding student innovators through a *"Business Management Students Entrepreneurship Support Scheme"*. In this scheme, innovations that have commercial potential are supported by the institute. A **seed fund of Rs. 75000** each is given to two students for covering a part of the expenses, which they may incur in the process of translation of the concept from lab to the market. Besides this, the institute has started **certificate course in Entrepreneurship in Biotechnology and Bioinformatics** to encourage innovation and biotech-led start-ups. Through this course, the students would be able to network with successful entrepreneurs in the field of Biotechnology and Bioinformatics. The details of the BoM resolution are given in the annexure.

File Description	Document
Any additional information	[View Document](#)
Geotag the facilities and innovations made	[View Document](#)

3.3.2 Workshops/seminars conducted on Intellectual Property Rights (IPR) Research methodology, Good clinical Practice, Laboratory, Pharmacy and Collection practices, Research Grant writing and Industry-Academia Collaborations during the last five years

Response:

INTELLECTUAL PROPERTY RIGHT

The Institution has a fully functional Intellectual Property Rights (IPR) Cell duly approved by BoM Vide resolution Item No. BM-20-16 . The cell creates awareness and sensitizes researchers on the importance of IPR. Special lectures and workshops have been organized on IPR with the following objectives:

- To create awareness about IPRs, especially patents and copyrights, among faculty members of the institute
- To guide researchers/inventors in respect of patenting their inventions
- To provide insight into practical applications of Intellectual property such as patent drafting, patentability search, freedom to operate search, validity/invalidity search and evidence of use analysis

Total 12 workshops/seminars were organized on IPR during last 5 years. Reports of the events are uploaded.

RESEARCH METHODOLOGY

In all 283 workshops on research methodology were conducted during the last five years covering research methodology, good clinical practices, laboratory, pharmacy and collection practice and research grant writing. The main focus is on improving the research skills and competency amongst the researchers by putting an impetus on their theoretical knowledge as well as by giving them hands-on training via a plethora of learning modules aimed at improving research competencies of the participants. Also, the workshops conducted by the institutes discussed various objectives like,

- Defining the research problem,
- Identifying research problems,
- Developing an approach to the research problem,
- Selection of suitable research design,
- Imparting capabilities required for formulation and testing of hypothesis based on the nature of research to comprehend appropriateness of statistical software packages for analyzing research data,
- Enabling the participants to understand the importance of writing research proposals and research publications.

INDUSTRY-ACADEMIA COLLABORATIONS

The collaboration and partnership of DPU with industry have helped to improve the quality of education in terms of excellence, modernization, collaboration and self-reliance. These are the four crucial elements in the development of Higher and Technical Education. DPU has also organized various workshops to strengthen teaching-learning methods. It is done by way of inviting senior industry professionals to share their rich experience with the students. These sessions have helped the students in applying those theoretical concepts into practice. Several such workshops have been organized by DPU in the last 5 years. Biotechnology unit has strong interaction with Praj Industries Ltd., Rise n Shine, Gennova Pharmaceuticals and National Chemical Institute Venture Centre in teaching and research. The management unit has MOUs with Tata Technologies; Bosch India etc to impart industry required life skills to students. The students of Business School and Biotechnology & Bioinformatics regularly opt for summer internship programs in collaboration with aforementioned industries.

The year-wise bifurcation of all the activities are given below. Out of the total 338 workshops, 12 workshops were conducted on IPR, 270 on best clinical practices and 56 on industry academia collaborations.

Year	2014-2015	2015 - 2016	2016 - 2017	2017 - 2018	2018 - 2019
Number	44	52	62	68	110

File Description	Document
Any additional information	[View Document]
Link of the reports of the events	[View Document]
Link for list of workshops/seminars on the above during the last 5 years	[View Document]

3.3.3 Total number of awards / recognitions received for innovation / discoveries by the institution/teachers/research scholars/students during the last five years

Response: 16

3.3.3.1 Number of awards/recognitions received by the Institution/teachers/research scholars/students year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
7	2	3	2	2

File Description	Document
List of teachers who have received awards and recognition for innovation and discoveries	[View Document]
List of teachers and details of the national/international fellowships awarded	[View Document]
Institutional data in prescribed format	[View Document]
E-Copies of award letters (scanned or soft copy) for innovations with details of awardee and awarding agency	[View Document]

3.3.4 Number of start-ups incubated on campus during the last five years

Response: 13

3.3.4.1 Total number of start-ups incubated on campus year-wise during the last five years (a startup to be counted only once)

2018-19	2017-18	2016-17	2015-16	2014-15
11	2	0	0	0

File Description	Document
Institutional data in prescribed format	View Document
Certified e- sanction order for the start-ups on campus	View Document
Any additional information	View Document

3.4 Research Publications and Awards

3.4.1 The Institution has a stated Code of Ethics for research, the implementation of which is ensured by the following:

1. **Research methodology with course on research ethics**
2. **Ethics committee**
3. **Plagiarism check**
4. **Committe on Publication guidelines**

Response: All of the above

File Description	Document
Minutes of meetings of the relevant committees with reference to the code of ethics	View Document
Institutional data in prescribed format	View Document
Institutional code of Ethics document	View Document
Institutional code of ethics document	View Document
Details of committee on publication guidelines	View Document
Course content of research ethics and details of members of ethical committee	View Document
Copy of software procurement for plagiarism check	View Document
Any additional information	View Document

3.4.2 The Institution provides incentives for teachers who receive state, national or international recognitions/awards.. Option 1. Career Advancement
2. Salary increment
3. Recognition by Institutional website notification
4.Commendation certificate with cash award

Response: A. All of the above

File Description	Document
Snapshots of recognition of notification in the HEI's website	[View Document](#)
Policy on salary increment for the awardees	[View Document](#)
Policy on Career advancement for the awardees	[View Document](#)
List of the awardees and list of awarding agencies and year with contact details for the last 5 years	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Copy of commendation certificate and receipt of cash award	[View Document](#)
Incentive details (link to the appropriate details on the Institutional website)	[View Document](#)

3.4.3 Total number of Patents/ Copyrights published/awarded/technology-transferred during the last five years..

Response: 20

3.4.3.1 Number of Patents/ Copyrights published/awarded/ technology-transferred year-wise during the last five years..

2018-19	2017-18	2016-17	2015-16	2014-15
11	2	3	4	0

File Description	Document
Technology transfer document	[View Document](#)
List of patents/Copyrights and the year they were published/awarded	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Certified E- copies of the letters of award/ publications (consolidated statements by the head of the institution)	[View Document](#)

3.4.4 Average number of Ph.D/ DM/ M Ch/ PG Degree in the respective disciplines received per recognized PG teacher of the Institution during the last five years.

Response: 1.04

3.4.4.1 Number of Ph.D.s /DM/M Ch/PG degree in the respective disciplines awarded per recognized PG teacher of the Institution year-wise during the last five years.

2018-19	2017-18	2016-17	2015-16	2014-15
381	357	308	342	319

3.4.4.2 Number of PG teachers recognized as guides by the Regulatory Bodies / Universities during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
456	394	290	267	242

File Description	Document
Recognition letters by the University as eligible teachers to guide Ph D / DM / M Ch students	[View Document](#)
List of PhD / DM / M Ch candidates with details like name of the guide, title of the thesis, year of award, award letter etc	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Any additional information	[View Document](#)
Link for research page in the institutional website	[View Document](#)

3.4.5 Average Number of research papers per teacher in the approved list of Journals in Scopus / Web of Science/ PubMed during the last five calendar years

Response: 0

File Description	Document
Names of the indexing databases	[View Document](#)
Institutional Data in prescribed format	[View Document](#)
Any other relevant information	[View Document](#)

3.4.6 Average Number of research papers per teacher in the approved list of Journals notified in UGC-CARE list during the last five calendar years

Response: 0

File Description	Document
Names of the indexing databases	[View Document](#)
Institutional data in prescribed format	[View Document](#)

3.4.7 Total Number of books/ chapters in edited volumes and papers in National/International conference-proceedings published per teacher and indexed in Scopus/Web of Science/ PubMed UGC-CARE list during the last five calendar years

Response: 0

File Description	Document
List of names of publishers : National/ International	[View Document](#)
Institutional data in prescribed format	[View Document](#)

3.4.8 Bibliometrics of the publications during the last five calendar years based on average Citation Index in Scopus/ Web of Science

Response: 0

File Description	Document
List of the publications during the last five years	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Any other relevant information	[View Document](#)

3.4.9 Provide Scopus/ Web of Science – h-index of the Institution for the last 5 calendar years.

Response: 0

File Description	Document
Institutional data in prescribed format	[View Document](#)
Bibiliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	[View Document](#)
Any other relevant information	[View Document](#)

3.5 Consultancy

3.5.1 Institution has a policy on IPR and consultancy including revenue sharing between the

Institution and the individual, besides a training cum capacity building programme for teachers, students and staff for undertaking consultancy

Response:

Details of IPR and consultancy policy are displayed on the Vidyapeeth website and were passed through BoM resolution vide Resolution *No. BM-26-16 and BM-39-18.*

IPR POLICY

- IPR Policy of the Vidyapeeth aims to facilitate protection and valorization of intellectual property generated during a scientific pursuit in the Institute. It offers scope for academic and progressive growth of knowledge besides charity distribution of advanced science to the new generation, alleviation of human sufferings and betterment of human life.
- DPU encourages all faculty members and students to document their intellectual property, so that it can be protected and applied for the benefit of the country, Vidyapeeth and the concerned inventor.
- **Revenue sharing:** The revenue arising out of licensing of IP and royalty is shared in appropriate ratio between the inventors and Vidyapeeth. It is subject to agreement between inventor and Vidyapeeth. Where Vidyapeeth reassigns the right of IP to its inventors, the inventors shall reimburse all costs incurred by Vidyapeeth which include protection, maintenance, marketing and other associated expenses. Where the inventors reassign the right of IP to Vidyapeeth, Vidyapeeth shall reimburse all the costs incurred by inventors for the above purpose.
- *Twelve programs were conducted on IPR.* These programs covered various aspects like understanding the importance of IPR, rationale of protection and its nature, facilities provided by the Government of India for an individual and organization to save intellectual property by registration, patenting and recent advances in IPR.

The IPR cell creates awareness and sensitizes researchers on the importance of IPR. Special lectures and workshops have been organized on IPR (uploaded). By virtue of this, different constituent units were able to successfully file *20 patents and 8 copyrights.* Moreover, faculty members are deputed for IPR training sessions conducted at national and international level.

CONSULTANCY POLICY

- The Consultancy Policy of Vidyapeeth also provides guiding principles and procedures for undertaking consultancy services by faculty members of the University. The Faculty Members of DPU are encouraged to undertake consultancy and other similar work provided it does not conflict with the interests of the University. It is expected and believed that consultancy will further improve the professional and academic competence by way of stimulating research and scholarship besides applying knowledge for solving real life problems.
- The faculty members through consultancy services, support external engagements that facilitate knowledge and technology transfer contributing to economic and social impact. These activities have served to link the institute and its faculty members more closely to the industry. Consultancy work has attracted financial benefits both for the institution and its employees.

- The consultancy charges in general is in the proportion of 70:30 for the consultant and

Vidyapeeth respectively. It is decided on a project to project basis depending upon the extent of utilization of Vidyapeeth resources such as equipment, consumables and infrastructure. Variations in the proportion of consultancy charges is worked out at the Institution level and forwarded to the University authorities for approval with specific recommendations of the Head of the Institution.

File Description	Document
Any additional information	[View Document](#)
List of the training / capacity building programmes conducted during the last 5 years.	[View Document](#)
Link to the soft copy of the IPR and Consultancy Policy	[View Document](#)
Link for additional information	[View Document](#)
Link of the Minutes of the Governing Council/ Syndicate/Board of Management related to IPR and consultancy policy	[View Document](#)

3.5.2 Revenue generated from advisory / R&D /consultancy projects (exclude patients consultancy) including Clinical trials during the last five years

Response: 151

3.5.2.1 Amount generated from consultancy year-wise during the last five years (INR in lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
45	4	27	1	74

File Description	Document
List of consultants and details of revenue generated by them	[View Document](#)
Institutional data in prescribed format	[View Document](#)
CA certified copy/Finance Officer Certified copy attested by head of the institute (Refer annexure number -01)	[View Document](#)
Audited statements of accounts indicating the revenue generated through consultancy / clinical trials	[View Document](#)

3.6 Extension Activities

3.6.1 Extension and outreach activities such as community Health Education, Community health camps, Tele-conferences, Tele-Medicine consultancy etc., are conducted in collaboration with industry, community, Government and non- Government Organizations engaging NSS/NCC/Red cross/YRC, institutional clubs etc., during the last five years

Response: 951

3.6.1.1 Number of extension and outreach activities conducted in collaboration with industry, community Government and Non-Government Organisations engaging NSS/NCC/Red cross/YRC, institutional clubs etc., year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
227	158	189	195	182

File Description	Document
Reports of the events organized	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Geotagged photographs of events / activities	[View Document](#)
Detailed program report for each extension and outreach program should be made available, with specific mention of number of students and collaborating agency participated	[View Document](#)
Description of participation by NSS/NCC/Red cross/YRC, Institutional clubs etc., year-wise for the last 5 years	[View Document](#)
Any additional information	[View Document](#)
Link for additional information	[View Document](#)

3.6.2 Average percentage of students participating in extension and outreach activities beyond the curricular requirement as stated at 3.6.1

Response: 44.64

3.6.2.1 Number of students participating in extension and outreach activities beyond the curricular requirement as stated at 3.6.1, year-wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
1814	1984	1704	1756	1493

File Description	Document
Reports of the events organized	[View Document](#)
Geo tagged Photos of events and activities	[View Document](#)
Any additional information	[View Document](#)
Link for additional information	[View Document](#)

3.6.3 Number of awards and recognition received for extension and outreach activities from Government / other recognised bodies during the last five years

Response:

Vidyapeeth is committed to realize its social responsibility through meaningful and purposeful extension and outreach activities and has received *30 National and International awards and recognitions* from the Government and other recognized bodies.

- Mahatma Gandhi National Council of Rural Education Department of Higher Education, Ministry of Education, Government of India recognized DPU, GBSRC and Biotechnology institute as *Social Entrepreneurship, Swachhta & Rural Engagement Cell Institution.*
- Vidyapeeth ranked 9th and has been acknowledged as one of the *Cleanest Higher Educational Institutions in the Country in the category of Residential Universities - UGC.*
- Minister of Health and Family Welfare, Government of India, awarded the Dr. D. Y. Patil Medical College, Hospital and Research Center under the *Kayakalp - Swachha Bharat 2019* guidelines for its efforts towards excellence in promoting cleanliness, hygiene and infection control in the hospital contributing to improved quality of care.
- The 9th Asian Education Summit & Awards, 2019, awarded the Dr. D. Y. Patil Medical College, Hospital and Research Centre as *'The most promising Medical College in India'* for its innovation and creative action in education.
- All India Council for Technical Education awarded certificate of appreciation to Biotechnology Institute for significant contribution in *One Student One Tree Initiative.*
- Vidyapeeth participated in the "High Blood Pressure Awareness Campaign" organized by Glenmark Pharmaceuticals Limited (India) and has won a coveted position in the *Guinness Book of World Records* in September 24, 2018. Doctors screened 307 individuals in one hour for hypertension on the eve of World Heart Day 2018.
- Government of Maharashtra has applauded the efforts of the Vidyapeeth, for conducting *Bhavya Arogya Sibir* in 2017 and Maha Arogya Sibir in 2018 at Pune and Talegaon respectively.
- Voluntary services were provided to *'The Lifeline Express'* - the world's first hospital on a train in Balharshah, Maharashtra in December 2017, Jalor, Rajasthan in April 2018 and Latur, Maharashtra in June 2018. Trophies were bestowed by *Impact India Foundation* for the same.
- The Charity Commissioner of Maharashtra accorded the Vidyapeeth first prize for *Charity*

Hospital at Poor Patient's Doorstep on December 3rd 2017. Dr. D. Y. Patil Medical College, Hospital and Research Centre, Pimpri, Pune provided free treatment to 3,214 poor patients and those who are at the lowest ladder of economic strata of the society.

- On February 2016, the Pimpri Chinchwad Municipal Corporation awarded 1st Prize (*Tree Plantation - Private Schools and Colleges for 25 trees or more*) and 2nd Prize to the Vidyapeeth in the 23rd Flowers, Fruits, Vegetables, Garden and Tree Plantation competition.
- The Pimpri Chinchwad Municipal Corporation bestowed 1st Prize to the Vidyapeeth in the 22nd *Tree Plantation competition* in March 2015.
- The Vidyapeeth has been accoladed for its magnanimous support in conducting Blood Donation Camps, and for its participation in World AIDS day, International Nursing Day, Breast Feeding Week, World Mental Health Day and Organ Donation Week.

Year	2014-2015	2015 - 2016	2016 - 2017	2017 - 2018	2018 - 2019
Number of Awards and Recognition	3	4	4	11	4

File Description	Document
Link for additional information	[View Document](#)
Link for number of awards for extension activities in the last 5 years- e-copy of the award letters	[View Document](#)

3.6.4 Institutional social responsibility activities in the neighborhood community in terms of education, environmental issues like Swachh Bharath, health and hygiene awareness, delivery of free/ subsidized health care and socio economic development issues carried out by the students and staff, including the amount of expenditure incurred during the last five years

Response:

There is a 360 degree involvement of the Vidyapeeth in healthcare associated extension activities, from sensitization to curing, healing and well-being of the people and society. Most courses have extension programs incorporated as part of the field practices at *Primary Health Centres, Urban Health Centres and Rural Health Training Centres*. These are utilized as training programs for the undergraduates who are posted regularly at these centres for enrichment of their skills.

Some of the salient contributions of the Vidyapeeth as institutional social responsibility include activities related to *Swachh Bharat Abhiyan, Unnat Bharat Abhiyan, National Service Scheme* etc. The various villages have been adopted from the point of view of environmental protection, sanitation and health care. Some villages have also been identified as open defecation free villages under Swachh Activity Plan. Some of the reflections of Vidyapeeth's social responsibilities are as follows:

- Multi-disciplinary, Multi-speciality diagnostic health camps (rural /urban/slums/schools/orphanages) are conducted throughout the year on a regular basis.
- Adoption of villages for providing diagnostic services and effective health care.
- Participation in number of relief camps at major natural calamities as a means of disaster management: e.g. Kerala flood relief, flood hit Kashmir, land slide in Malin Village in

Maharashtra, Sangli and Kolhapur flood in Maharashtra etc.

- *Rural Satellite Health Centers* with regular clinics at RHCs and UHCs.
- Health awareness and sensitization programs (lectures, role plays, exhibition, rallies, placards, pamphlets, popular booklets in regional language, street plays).
- Special camps/clinics: De-addiction centers, Tobacco Cessation Clinics, Geriatrics Clinics, Dental Camps for jail inmates, Deformity Correction Clinics are regularly conducted.
- Vidyapeeth has adopted 3 kms of PCMC road for median garden maintenance.
- All the constituent units of Vidyapeeth have received *Green Education Campus Certificate* for Preventing Pollution, Conserving Natural Resources, and Complying Environmental Regulatory Requirements by TQV Certification Pvt Ltd.
- *Awareness Programs:* DPU and the constituent units routinely conduct World TB day, World Asthma Day, World No Tobacco Day, World Health day, World Heart day, Women's Day and Health, World Breast Feeding Day. Patient education leaflets on common diseases and drugs both in English and vernacular language are distributed on regular basis for the benefit of the patients.
- Community service through media and camps: Faculty members were invited on television and radio programs and participated in question and answer session by which, the general public is able to clarify their doubts.
- The Vidyapeeth makes use of mobile dental and medical van, audiovisual aids, and trained artists as well as the assistance of NGOs and government organization in conducting these programs.

DELIVERY OF FREE/SUBSIDIZED HEALTH CARE

Dr. D. Y. Patil Medical College, Hospital and Research Centre stood FIRST in "Charity Hospital at poor patient's doorstep "program in the State of Maharashtra. The main aim of the Program was to provide free treatment to poor and needy patients. It was implemented by the Charity Commissioner, Maharashtra. The amount of expenditure incurred on providing free treatment, food, drugs, and other consumables are provided as any other additional information.

File Description	Document
Any additional information	View Document
Links for Geo-tagged photographs of Institutional social responsibility activities (Refer annexure number -01 as per SOP)	View Document

3.7 Collaboration

3.7.1 Average number of Collaborative activities for research, faculty exchange, student exchange/ Industry-internship etc per year

Response: 93.6

3.7.1.1 Total number of Collaborative activities for research, faculty exchange, student exchange year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
159	136	64	39	70

File Description	Document
Institutional data in prescribed format	[View Document](#)
Certified Copies of collaboration documents	[View Document](#)
Link with collaborating Institutional website	[View Document](#)

3.7.2 Presence of functional MoUs/linkages with Institutions/ industries in India and abroad for academic, clinical training / internship, on-the-job training, project work, student / faculty exchange, collaborative research programmes etc., during the last five years.

Response: 88

3.7.2.1 Number of functional MoUs / linkages for faculty exchange, student exchange, academics, clinical training, internship, on-the-job training, project work, collaborative research programmes etc., during the last five years.

Response: 88

File Description	Document
Institutional data in prescribed format	[View Document](#)
E-copies of the functional MoUs with Indicating the start date and completion date	[View Document](#)
Any additional information	[View Document](#)
Link for additional information	[View Document](#)

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The institution has adequate physical facilities for teaching – learning, skills acquisition etc

Response:

Dr. D. Y. Patil Vidyapeeth, Pune has its spacious campus of 42.5 acres at Pimpri and Tathawade in the Pimpri-Chinchwad Municipal Corporation. Vidyapeeth has state-of-the-art physical infrastructural facilities for teaching-learning, administrative and support facilities. It comprises the following:

Major Building Blocks-University/Institutions/Hospitals:

Sr. No.	Name of the block	Storeyed / floors	Built up area 2014 (m2)	Built up area 2019 (m2)
1	University Office (New) with Auditorium, IQAC, Incubation Centre	2P+5	Under construction	10,851 (Completed)
2	Medical College and Hospital	B+G+5	33,968	33,968
3	Medical Hospital (New)	G+8	69,702	76,896
4	Dental College and Hospital	B+G+3	14,219	15,700
5	Homoeopathic College and Hospital*	G+2 Floors	--	6,323
6	College of Physiotherapy	3rd & 4th Floor	3,820	3,820
7	College of Nursing	4th & 5th floor	2,974	2,974
8	College of Ayurved and Hospital*	G+5 Floors	--	11,969
9	Institute of Biotechnology and Bioinformatics	B+ G + 4	8,996	8,996
10	Global Business School and Research Centre (GBSRC)	B+ G + 4	12,100	11,696
11	Institute of Optometry and Visual Sciences / University Office (Old)	G+2	846	846
12	Animal House	P+2	Under construction	552 (Completed)
13	Laundry +Kitchen Block	G	551	551
	Total Area		**1,47,177**	**1,85,104**

* Brought under the ambit of DPU since 2018

Enhancement in the built-up area is as follows:

- DPU has a strategy for enhancement of infrastructure in order to support good teaching-learning environment.
- Increase in built-up space from 1,47,177 m2 in 2014 to 1,85,104 m2 in 2019 provides adequate infrastructural facilities. Addition includes new Auditorium (1000 capacity), new University Office with IQAC and Incubation Centre, Library, Cardiology, Modular OTs, Cath-labs, Animal House, expansion of Oral Surgery Department with Implant Centre etc. The addition is also on account of

bringing College of Ayurved and Hospital, and Homoeopathic College and Hospital under the ambit of DPU thus ensuring that Vidyapeeth is really multifaculty interdisciplinary health care teaching university.

Provisions and facilities at each Constituent Unit:

- Each constituent unit has been provided with facilities: College office, offices for Head, Staff rooms, Board room, Common rooms, basic amenities, library, ICT facilities, lifts, lobbies, record rooms, pantry and canteen.
- Diagnostic Centers are available at four teaching hospitals.

Central Research Facility: Regenerative and Molecular diagnostic laboratories with sophisticated equipment are established for all.

Learning Resource Facility: Active learning resource centers are available centrally and at constituent units with provision of Wi-Fi enabled computers.

Classrooms and seminar halls: Academic infrastructure of nine constituent units includes 67 well equipped Classrooms, 150 Demonstration Rooms, 110 Laboratories and 48 Seminar Halls.

The break-up is as follows:

Constituent Units	Classrooms	Labs	Demo Rooms	Seminar Halls	Total
Medical	9	44	110	30	193
Dental	5	23	23	11	62
Biotech	13	15	0	1	29
Ayurved	7	7	3	1	18
Homoeopathy	5	5	12	1	23
Physiotherapy	6	6	2	1	15
Nursing	11	6	0	1	18
Optometry	3	4	0	1	8
GBSRC	8	0	0	1	9
Total	67	110	150	48	375

Technology enabled learning spaces: Classrooms and seminar halls have latest audio-visual facilities including LCDs and smart boards. High-tech video conferencing, recording rooms and seminar hall facilitate web-based education and training.

Facilities for Clinical learning: There are 2011 beds of Medical hospital, 250 beds of Ayurved hospital and 43 beds of Homoeopathy hospital for bed side clinical teaching- learning, with 150 bed side demonstration rooms in hospitals. The hospitals have well equipped surgical suites for minor and complex surgeries and students get opportunities to learn various types of surgeries.

Learning in the Community: DPU has ten Satellite Health Centers covering Rural (RHTC) and Urban (UHTC) areas, details are given 4.2.3. The RHTC is located at Alandi and UHTC at Ajmera. These centers are managed and supervised by Department of Community Medicine of Medical, Dental and Nursing

colleges. Further NSS units of constituent colleges with 985 volunteers participate in various activities and Unnat Bharat Abhiyan thus providing platform for community learning in the villages.

Provisions of Museums and Skill Labs:

Provisions of physical infrastructure, learning resources, clinical learning resources, health care facilities, museums, skill laboratories are over and above the requirements of Regulatory Bodies as follows:

S.No	Constituent Units	Departments	Museums	Skill Labs
1.	Medical College, Hospital and Research Centre	29	16	05
2.	Dental College and Hospital	09	04	07
3.	Homoeopathic Medical College and Research Centre	12	12	-
4.	College of Physiotherapy	01	-	01
5.	College of Nursing	01	-	03
6.	College of Ayurved and Research Centre	14	13	03
Total			45	19

a) Museums:

Medical, Dental, Homeopathy and Ayurved have strengthened their museums with excellent facilities. They have displayed good collections of specimens, models, charts, placards, descriptive catalogues, e-medium collections of specimens and posters. They have rich collections of clinical specimens arranged system-wise, disease-wise with systematic approach that enhances student's learning experience.

b) Skill Laboratories:

Medical, Dental, Physiotherapy, Nursing and Ayurved have well equipped skill labs with Models, Manikins and Charts. The skills laboratories are used to impart relevant skills to students for adequate hands-on experience. Skill labs offer self-learning environment prior to real life application under the supervision of teachers. The students maintain practical records/logbooks of learning activities.

Animal House:

Animal house is registered under Committee for the Purpose of Control and Supervision of Experiments on Animals (CPCSEA) (14/02/2017, R.No.619/PO/02/ReBI/S/02/CPCSEA) and maintained by Department of Pharmacology. The Vidyapeeth has Institutional Animal Ethics Committee (IAEC) approved by CPCSEA. The IAEC and Department of Pharmacology monitor the activities of animal house. Animal house has approval for breeding animals only and for in-house experiment purpose under the supervision of a qualified veterinary doctor.

AYUSH Related Learning Cum Therapy Center

As a part of AYUSH systems of medicine during multi-diagnostic camps Ayurveda and Homoeopathy Hospitals provide a wide variety of treatments for acute and chronic medical conditions. Further Yoga and Wellness training programs have attracted international participants (USA, Brazil and Spain) along with students in DPU. The beautifully designed Panchakarma section is equipped to perform 48 types of Panchakarma treatments along with executive section. The protocols for all Panchakarma therapies are well defined and documented by the department and are strictly followed at all levels of treatment of patients as well as teaching - Learning sessions for students.

In-house teaching pharmacy 'Sudhatatava' is FDA and GMP (MH/PZ3/ GMP/6095400) certified. Undergraduate students undergo training for preparation of various types of Ayurved medicines and formulations in the Pharmacy. They are also given short projects in which group of students prepare ayurved formulations under guidance of Teaching faculty. The Homoeopathic Pharmacy also conducts practical classes where the students gets hands on training regarding mode of preparations and dispensing of Homoeopathic medicines.

File Description	Document
Any additional information	[View Document](#)
Links for teaching- learning and skills acquisition facilities in the Institution	[View Document](#)
Links for Geotagged photographs of the facilities	[View Document](#)
Link for additional information	[View Document](#)

Other Upload Files	
1	[View Document](#)

4.1.2 The institution has adequate facilities to support physical and recreational requirements of students and staff – sports, games (indoor, outdoor), gymnasium, auditorium, yoga centre, etc. and for cultural activities

Response:

Dr. D. Y. Patil Vidyapeeth has adequate facilities for Sport and Cultural activities. These are described as follow:

S.N	Name of Sport Facility	Area in Sq.m (m2)	Year of Establishment	User Rate/day
1	Basketball ground (02 nos.)	910	2007	40
2	Volleyball grounds (02 nos.)	420	2007	30
3	Sport Ground	3496	2007	40

	(Dental Ground)			
4	Tennis Court	223	2007	35
5	Table tennis	646	2007	45
6	Badminton	200	2007	20
7	Archery	200	2017	25
8	Yoga Centre	810	2018	60
9	Gym (04 + 1 open gym)	397	2015	20-30

Sports Facilities:

The DPU has made provision for quality and standard indoor/outdoor sports facilities with multifacility gymnasium and fitness center. Trained instructors are available for training who encourage students for participation and provide incentives (financial, materials, tract suits and nutritional).

Outdoor sports facilities:

Playgrounds are available in the campus for outdoor games like two Volleyball grounds (420m2), two Basketball grounds (910m2), Tennis Court (223m2), Kho-kho, Baseball, Handball, Kabaddi, Archery, etc. The playgrounds for basketball, volleyball and tennis are as per international standards along with facility for net practice of cricket.

Indoor sports facilities:

Facilities for indoor games like Table tennis (646m2), Badminton (200m2), Carrom and Chess with trained, qualified instructors, are provided at hostels for boys and girls separately.

Cultural Facilities:

Auditorium is available for celebration of Annual Function Day, various cultural days, cultural competitions based on prior notice and booking. At each constituent unit felicitation of prize winners in sports and cultural competitions is done during annual social functions. Centrally intercollegiate prize winners are felicitated on DPU-NITE for cultural and sports events.

DPU promotes and encourages students for participation in sports by providing following incentives.

- Coaching and training support for sports activities.
- Travel and registration fees are provided for attending inter-collegiate sport events.
- Continuous effort has been made to enhance sports facilities and motivate the students to participate in inter-collegiate sports events.
- Students are supported with sports equipment.

Yoga Centre - Yoga, meditation and aerobics classes are practiced by students regularly for self-discipline, concentration, fitness and relaxation. Ayurveda College has certificate course on yoga. Yoga Centre is well equipped with charts and facilities for proper conduction of yoga sessions. Under the able guidance of trained teacher yoga sessions for patients, faculty members and students are regularly conducted.

Recreational facilities – Two Auditoriums are available with 1000 and 250 Capacity that is used for cultural and other student council activities. Common rooms for girls and boys are in place in each constituent unit. Every Saturday separate movie is shown to hostel students. These are facilities are also used by faculty members.

Gymnasium: In order to ensure a sound body and mind, students are given special attention on health and fitness.

- DPU has provided well-equipped five gymnasiums, two for boys, two for girls and one open gymnasium. Well trained and qualified instructors are available.
- Zumba Dance facility is also available at Gymnasium.

File Description	Document
Any additional information	View Document
Links for Available sports and cultural facilities : geotagging	View Document
Link for additional information	View Document

4.1.3 Availability and adequacy of general campus facilities and overall ambience

Response:

DPU provides adequate amenities with safe and comfortable environment for all supported by mess, canteen, banking and comprehensive health care facility. These include:

Hostels: Total built-up area of the hostel is 47,240 m2 catering to the requirement of Boys and Girls separately. Hostels accommodation capacity has increased from 2299 to 3381. Wardens and Assistant Wardens look after the hostels round the clock. The hostels have all the facilities including TV room, Wi-Fi connectivity, recreation room, well equipped gym, visitors' room, guest rooms, reading room, 24x7 security service, CCTV surveillance cameras, mess facilities, cafeteria and solar power heaters.

Provisions for accommodation of both the teaching and non-teaching staff with all the supporting services are available. Guesthouse is obtainable for visitors.

Hostels and Staff quarters details are as follows:

- Separate hostels for girls (738 rooms) and boys (252 rooms) with 2095 and 651 capacities respectively.
- Interns hostel of 94 rooms with total 255 capacity.
- Staff quarters of 70 flats.
- Nurses hostel (140 rooms) with 380 capacity.

Medical facilities: Students have access to complete health care needs. Medical facilities for students and staff are available free of cost. Free immunization against Hepatitis-B is available.

Canteen: The DPU has made provisions of canteen in each constituent unit with adequate facilities. Hostel canteen has biometric facility as well as cafeterias.

Toilets: Adequate numbers of clean and well-maintained washrooms are available in the constituent units separately for Male and Female. Separate disabled friendly washrooms are also available.

Banks and Post office: The DPU campus has ATM facility of Andhra and IDBI Banks. Post office is in the vicinity at walkable distance.

Roads and signage: The Internal roads are well maintained with proper signage for easy location finding. Roads are well constructed with avenues and pavements, streetlights and CCTV surveillance. Adequate provisions for vehicle parking have been made.

Greenery: The DPU has been certified as Green Education Campus by TQV. The campus is well maintained and beautiful garden with medicinal and flowering plants for creating a lovely ambience for residents and visitors.

Alternate sources of energy:

Massive drive for providing alternative energy resource by way of harvesting solar power was implemented by Vidyapeeth. In all two Mega Watt solar power is generated by installing solar energy set up to cater to the needs of DPU and the constituent units.

Sewage Treatment Plant (STP) - The Vidyapeeth has four STPs with the total capacity of 1170 m3/day. The treated water is used for recycling purposes. Additionally, Vidyapeeth has effluent treatment plant (ETP) with the total capacity of 50 m3/day.

Water Purification Plant: Water Purification system is installed for providing purified water at all constituent units of Vidyapeeth.

File Description	Document
Any additional information	[View Document](#)
Link for Photographs/ Geotagging of Campus facilities	[View Document](#)
Link for additional information	[View Document](#)

4.1.4 Average percentage of expenditure incurred, excluding salary, for infrastructure development and augmentation during the last five years

Response: 44.36

4.1.4.1 *Expenditure incurred, excluding salary, for infrastructure development and augmentation year-wise during the last five years* (INR in lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
6890.58	5692.13	8260.54	10828.91	4356.32

File Description	Document
Institutional data in prescribed format	[View Document]
Details of budget allocation excluding salary during the last five years	[View Document]
Audited report / utilization statements (highlight relevant items) (Refer annexure number -01)	[View Document]
Link for additional information	[View Document]

4.2 Clinical, Equipment and Laboratory Learning Resources

4.2.1 Teaching Hospital/s, Equipments, Laboratory and clinical teaching-learning facilities including equipment as per the norms of the respective Regulatory Bodies

Response:

Teaching Hospitals: The details are as follows

Teaching Hospitals	Beds / Chairs
Medical	2011
Dental	420
Ayurved	250
Homeopathic	43

Medical Hospital: The Medical Hospital is having pivotal infrastructure that supports innovative teaching programs. It is 2011 bedded spread over 51 units as:

Sr. No.	Category	Teaching Beds
A)	Medicine and Allied Specialities	670
B)	Surgery and Allied Specialities	560
C)	Obstetrics and Gynaecology	160
D)	Super Speciality	200
E)	Other Beds (Pre and Post-operative, Labour, Cath-lab, Dialysis, Casualty)	270
F)	Beds in ICU	140
G)	Isolation Beds	11
Grand Total		**2011**

Diet and medicines are provided free of cost for IPD patients. The facilities for angiography, angioplasty and cardiovascular surgery, 4th Generation Da Vinci xi Robotic surgery, two CT Scan machines, two MRI scanners (including 3Tesla), Digital X-ray Machines, digital Mammography, Colour Doppler, USG, 24X7 Clinical Laboratory with latest analyzers, Pharmacy, excellent sterilization unit, Blood Bank and Human

Milk Bank are in place. Eighteen modular OT's of International Standards, twenty-five dialysis units and two Cath-Labs are available. Medical tourism has been started and superspeciality services are existing with latest global standards. The Hospital has performed 70+ Renal Transplants, 8 Liver Transplants and 14 Corneal Transplants since last three years.

Dental Hospital:

It has 9 Departments, 8 clinical and 5 preclinical sections comprising of 420 Dental Chairs.

Sr. No.	Speciality	Chairs in UG Clinic	Chairs in PG Clinic	Total
1.	Prosthodontics	40	22	62
2.	Conservative Dentistry and Endodontics	40	30	70
3.	Department of Orthodontics	22	22	44
4.	Oral Pathology	06	06	12
5.	Periodontics	38	19	57
6.	Oral Medicine and Radiology	14	16	30
7.	Oral and Maxillofacial Surgery	35	30	65
8.	Public Health Dentistry	20	08	28
9.	Pedodontics	26	22	46
10.	Implant centre	00	06	06
Grand total				**420**

State-of-art Dental Implant Center facilities are used in imparting quality education to the students. Further, 'Regenerative Medicine Laboratory' is established in March 2018 for conducting research.

Ayurved Hospital: Ayurveda Hospital is NABH accredited with 9 OPDs and 6 clinical departments, 5 well-equipped Operation Theatres, Central Clinical Laboratory and Radiology Department.

Sr. No.	Category	Teaching Beds
A)	Kayachikitsa	60
B)	Streerog Prasutitantra	40
C)	Panchakarma	42
D)	Shalyatantra	40
E)	Shalakyatantra	34
F)	Kaumarbhritya	34
Grand Total		**250**

Excellent Panchakarma Facility with four executive panchakarma units with special services is available. Pharmacy manufactures Ayurvedic medicines and variety of Cosmetics/ Neutraceuticals for OPD/IPD patients. Pre- and Para-clinical Departments of Ayurveda have seven well-furnished and three skills laboratories.

Homeopathy Hospital: The well-equipped hospital (43 beds) is NABH accredited. IPD and OPD include OT section, Labour room, Pathology Lab and Radiology section. OPD includes Medicine, Obstetrics & Gynaecology, and Paediatrics. IPD has Medicine, Surgery, Obstetrics & Gynaecology wards. The students are exposed to variety of cases of all systems like Respiratory, Musculoskeletal, Dermatological, Paediatric, Gastrointestinal and Geriatric cases.

Physiotherapy Services: Physiotherapy OPD is equipped with latest therapeutic modalities to provide best

possible care with great safety and efficiency. It includes curative, preventive and promotes health services through various Manual Therapy Techniques, Electrotherapy, Exercise Therapy, Aquaciser, Matrix Rhythm Therapy, Lymphastim Therapy and Shock Wave Therapy. The EMG triggered biofeedback system uses visual and auditory feedback for diagnostic, training and treatment of neuromuscular re-education in wide range of neurological, orthopaedic, gynaecological and sports rehabilitation conditions. Speciality clinics are also available for Hand, Obesity, Endurance, Knee, Spine, Pain, Cerebral Palsy and Spasticity.

Nursing Services: Nursing service is a part of Medical Hospital to satisfy the nursing needs of the patients. The nursing students work with the members of allied disciplines in supplying a comprehensive program of patient care in the hospital. The Nursing college has six skill laboratories that impart appropriate and relevant skills to the students for adequate hands on experience.

Institute of Optometry and Visual Sciences: In-house clinical services offered are primary vision care, contact lens, vision rehabilitation, binocular vision, treatment and management of ocular diseases, paediatric vision care and ophthalmic prescription services and dispensing contact lens. Students gain experience in all aspects of Optometric practice and industry by working and learning in these clinics.

Laboratories: There are 110 laboratories in the constituent units of the Vidyapeeth. All the constituent units have well-equipped laboratories. The SOPs for skill development and research activities are in place.

Constituent Units	Laboratories
Medical	44 (Pre- 09, Para- Clinical 21, Medical and allied 7, Surgical and allied 06 and Central Clinical Laboratory)
Dental	23 (Prosthodontics 7, Conservative 5, Oral Pathology 5, Orthodontics 3, Paedodontics 1, Regenerative Medicine 1, and Implant Lab 1)
Physiotherapy	06 (Kinesiotherapy and Movement Science, Electrotherapy and Electrodiagnosis, Musculoskeletal, Neuro-physiotherapy, Cardio-pulmonary and Community Physiotherapy Lab.)
Optometry	04 (Contact lens, Dispensing Optics, Orthoptics and Low vision lab)
Biotechnology	15 (Animal Tissue Culture, Computer Center, Cancer Biology, Chemistry & Biochemistry, Electrical, Environmental Biotechnology, Industrial Biotechnology, Microbial Technology, Microbiology, Molecular Biology, UG-PG Research, Physics and Plant Tissue Culture Lab.)
Nursing	06 (Fundamental or Advance, Child Health Nursing, Maternity, Nutrition, Community Health Nursing and Science Lab.)

Equipment: The Vidyapeeth has procured sophisticated equipment for teaching hospitals to enhance facilities required by faculty, students and stakeholders.

The nine constituent units have strengthened its research infrastructure with modern equipment. The list of important sophisticated equipment costing above Rs. 50 lakhs are as follows:

Category		Name of the Equipment	Qty. (Nos.)	Amount in Lakhs
Radiology	1)	3 Tesla MRI System	1	1572.02
	2)	CT Scan	2	533.20
	3)	1.5 Tesla M.R.I.	1	490.25

	4)	Digital Mammography	1	189.00
	5)	Digital Radiography	2	158.08
	6)	CBCT	1	81.00
Surgical	1)	Robotic Surgery System with Single Surgeons CONSOL	1	1377.04
	2)	Modular OTs	18	1220.85
	3)	Endoscopy System	4	170.00
	4)	VRF System	1	184.96
	5)	Horizontal Sterilizer, Automatic Autoclave Machines	4	241.76
	6)	Heart Lung Machines and ECMO	2	173.98
Laboratory	1)	Cath Lab Machine	2	546.73
	2)	Lab Instruments	1	125.84
Central Research laboratory	1)	Zeiss LSM 710 Confocal Microscope	1	201.23
	2)	BD FACS JAZZ Flow cytometer	1	130.20

File Description	Document
Any additional information	[View Document](#)
Links for The facilities as per the stipulations of the respective Regulatory Bodies with Geotagging	[View Document](#)
Links for list of facilities available for patient care, teaching- learning and research with geotagged evidences	[View Document](#)
Link for additional information	[View Document](#)

Other Upload Files	
1	[View Document](#)

4.2.2 Describe the adequacy of both outpatients and inpatients in the teaching hospital during the last five years vis-à-vis the number of students trained and programmes offered (based on HIMS / EMR) within 500 words.

Response:

There is adequacy of both outpatients and inpatients in the Medical, Dental, Ayurved and Homoeopathic hospitals. There is increase in the inflow of patients IPD-OPD since last five years. The numbers are adequate as per norms of the concerned statutory regulatory authorities and exceed the minimum requirement.

The comparison of average number of patients per year treated as outpatients and inpatients in the teaching hospital for the last five years is as follows:

	2014	2015	2016	2017	2018
OPD	1429481	1482898	1548568	1633022	1675922

IPD	107682	118574	118776	121637	123815

- The hospitals have well equipped surgical suites for minor and major surgeries. Average of about 75 major & minor surgeries are being carried out in both hospitals every month with facility of live telecast.
- There are 120 beds in ICUs with 100% occupancy providing adequate learning for students in management of acutely ill patients. Post graduate students get hands on training in bed side procedures like central line insertion, endotracheal intubation, and mechanical ventilation in these units. They also learn to communicate with relatives of critically ill patients.
- Average 6,675 per day Pathology, Biochemistry and Microbiology investigations and 1,030 per day radiological investigations take place daily basis.

Hospital Information Management System (HIMS)

A complete HIMS is developed by the Software Development Cell (SDC) of the Vidyapeeth. The following modules are already completed and have been implemented:

Medical – HIMS	1) Patient – OPD and IPD
	2) Casualty patient's registration
	3) Central Clinical Laboratory
	4) Medical Pharmacy
Dental- HIMS	1) Patients registration- old and new
	2) Admins
	3) Reports
	4) Elegant Dento-Care
Homoeopthy- HIMS	1) Patients – IPD and OPD
	2) OPD and IPD dispensing

	3) Report
Physiotheraphy- HIMS	1) Patients Registrations
	2) Reports
Ayurveda – HIMS	1) Camp entries
	2) Patients – IPD and OPD
	3) Patient Causality
	4) Sub store (medicine)
	5) Panchakarma
	6) Reports

The up gradations of modules are periodically done by SDC of the Vidyapeeth.

The students of Medical, Dental, Ayurveda, Homoeopathy, Nursing, Physiotherapy and Optometry are trained in clinical practice. The details of number of students trained and programmes offered as follows:

Sr. No.	Program offered	Annual Intake	
		UG	PG + Superspeciality
1.	Medical	250	218 + 20
1.	Dental	100	49
1.	Ayurveda	100	80
1.	Homoeopathy	100	18
1.	Nursing	100	20
1.	Physiotherapy	100	36
1.	Optometry	50	10

Through regular clinical and multi-specialty postings the students get hands-on training in the respective teaching hospitals. Experience based training includes case study, case presentation, seminars, symposia, bedside teaching and patient's management. This helps regular interaction between the teacher, student and patient while enhancing the learning process. Students are also regularly trained to use HIMS modules.

File Description	Document
Any additional information	[View Document](#)
Links for description of adequacy of outpatient and inpatient statistics as per the norms of the Regulatory Bodies (critical documents to be verified by DVV)	[View Document](#)
Links for year-wise outpatient and inpatient statistics for the last 5 years	[View Document](#)
Link for additional information	[View Document](#)

Other Upload Files	
1	[View Document](#)

4.2.3 Availability of infrastructure for community based learning

1. **Attached Satellite Primary Health Centers**
2. **Attached Rural Health Centers available for training of students**
3. **Attached Urban Health Centre for training of students**
4. **Residential facility for students / trainees at the above peripheral health centers / hospitals**

Response: All of the above

File Description	Document
Institutional data in prescribed format	[View Document](#)
Government Order on allotment/assignment of PHC to the institution	[View Document](#)
Geotagged photographs of Health Centers	[View Document](#)
Documents of resident facility	[View Document](#)
Any additional information	[View Document](#)
Link for any additional information	[View Document](#)

4.2.4 Is the Teaching Hospital / Clinical Laboratory accredited by any National Accrediting Agency? A. NABH accreditation B. NABL accreditation C. International accreditation like JCI., D. ISO certification of departments /institution E. GLP/GCLP accreditation.

Response: C. Any Three of the above

File Description	Document
Copies of Accreditation Certificate(s) duly certified	[View Document](#)
Any additional information	[View Document](#)
Link for additional information	[View Document](#)

4.3 Library as a Learning Resource

4.3.1 Library is automated using Integrated Library Management System (ILMS)

Response:

DPU has state-of-the-art Central Library rich in collection of books, journals, e-books and e-journals as well as all the e-databases catering to needs of teching learning and research. Details are as follows:

- Name and features of the ILMS software : OPAC and an in-house developed DPU-ERP [Version 3]
- Nature and extent of automation : fully automated
- Year of commencement and completion of automation: Commenced in 2014 and completion of automation in 2018

DPU has ensured best library resources at every constitute unit. Each department has its own departmental library. Libraries are automated using DPU-ERP as ILMS to facilitate speedy access of documents, journals and other operations of library.

Data of the library is digitalized based on relevant library software. OPAC (Online Public Access Catalog) facility is available for data search based on individual password by the user anytime, anywhere or through the systems at respective libraries. The library transactions have been computerized (bar-coding). All the libraries subscribe to both print and e-journals of repute. They also subscribe to standard databases that include EBSCO HOST, SCOPUS, J-GATE, KNOWLEDGE HUB and ELSEVIER CLINICALKEY , CLINICALKEY STUDENT. The database facilitates search for title, subject, author, publisher and keywords. All libraries of DPU and sister institutions are also connected by DPU-ERP software thus enabling students of DPU to access the books of other disciplines like Engineering, Pharmacy, Law etc.

Every constitute unit has its own Library Committee. This committee is renewed and reconstituted at regular intervals. It meets at least twice in a year and makes recommendations regarding new purchases, library organization, facilities and so on.

Each library has a spacious hall, dedicated collection and display section, reading rooms and IT zone/e-library/computerized library sections. Each library has also ensured the facilities - Individual Reading Carrels, Lounge Area for Browsing and Relaxed Reading, IT Zone for accessing e-resources.

Biometric attendance system: Entry and exit for all users from the library register their attendance in the library through biometric attendance system. It documents the number of visitors and the time both being incorporated into ERP. Log-in report can be generated and tracked.

Working hours of the library for the Medical and Dental colleges ranges from 15 to 17 hours on working

days / holidays / vacations and 24 hours during examination days. The libraries of other constituent units remain open for 9 to 12 hours on working days.

The library arranges training and orientation programmes for staff and students on OPAC, e-library access, e-browsing, searching internet and other free or paid databases.

Radio Frequency Identification (RFID) system is used in registration and anti-theft protection. This system has helped in

- Speedy circulation activities
- Automation of many routine activities like check in/out
- Ability to take inventory/stock taking fast without manual intervention
- Frees staff for better interaction with patrons and other library work
- Provides librarian with details of check in/out from across the globe
- Security against intentional and unintentional removal of library material without checkout
- It provides 24-hour check in facility to patrons
- Automation reduces manpower requirements.

File Description	Document
Any additional information	[View Document](#)
Link to Geotagged photos	[View Document](#)
Link for additional information	[View Document](#)

4.3.2 Total number of books and reference volumes as well as collection of ancient books, manuscripts, Digitalized traditional manuscripts, Discipline-specific learning resources from ancient Indian languages, special reports or any other knowledge resource for library enrichment especially with reference to traditional systems of medicines

Response:

Central Library has good collection of printed rare books and manuscripts. They subscribe to e-journals, databases and periodicals. Services include reference, lending, e- into retrieval, browsing, photocopying, books on demand, book exhibition, new arrival counter, readers' awareness etc.

Every Constituent unit has ensured the best library resources which follows open access system. In the last 5 years, collection of national and international books, manuscripts, magazines, and digitalized collection has increased. The library has a total collection of 70278 books, 25686 reference books, 80 ancient books and 16 manuscripts from universally reputed publishers.

The ancient books include books that are of vintage publication year, special editions, first editions, out of print books, original manuscripts and books related to traditional Indian medical systems. The ancient and traditional books useful for the students and faculty members are made available by providing important links on the library portal of DPU. The search for procuring knowledge resources for enrichment of the library is continuous and on-going. In addition to this every department of the constituent units has its own

discipline specific library resources.

Skype Journal Club: First author of the publication selected for journal club, is contacted and asked for appointment for videoconferencing through Skype. The schedule of online interaction with the author is decided by Journal Club and mutually convenient day and time is communicated. Faculty members and students largely participate in this interaction. This activity has provided platform for the students to know about particulars involved in the process of publication such as data collection, observation, experimental set-up, reference work, discussion and conclusion.

The details of discipline specific library resources is as follows:

S.No.	From inception to 2014	Added 2014 -2019	Total Library Holding Books as on 2019
Text Books	55735	14543	70278
Reference Books	19192	6494	25686
Ancient Books	14	66	80
Manuscripts	4	12	16

Book database is created along with user's database since 2018-2019. The details are useful in sensitizing faculty and students for enhancing the use of library resources.

Constituent unit	Issued to Students	Issued to Faculty	OPAC
Medical	10196	2556	1261
Dental	8896	1586	2028
Ayurveda	5818	1880	4146
Homeopathy	5488	487	587
Physiotherapy	2359	139	714
Nursing	1501	143	54
Biotech	2852	186	857
GBSRC	1221	181	101

File Description	Document
Any additional information	View Document
Links for library acquisition data	View Document
Link for additional information	View Document

4.3.3 Does the institution have an e-Library with membership/subscription for the following:

1. **e – journals / e-books consortia**
2. **e-ShodhSindhu**
3. **Shodhganga**
4. **SWAYAM**
5. **Discipline-specific Databases**

Response: All of the above

File Description	Document
Institutional data in prescribed format	[View Document](#)
E-copy of subscription letter/member ship letter or related document with the mention of year to be submitted	[View Document](#)
Details of subscriptions for e-journals, e-ShodhSindhu, Shodhganga membership etc. for the last five years	[View Document](#)
Details of e-resources with full-text access	[View Document](#)
Any additional information	[View Document](#)
Link for additional information	[View Document](#)

4.3.4 Average annual expenditure for purchase of books and journals (including e-resources) during the last five years

Response: 244.4

4.3.4.1 Annual expenditure for purchase of books and journals year wise during the last five years (INR in lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
361	278	191	172	220

File Description	Document
Provide consolidated extract of expenditure for purchase of books and journals during the last five years duly attested by Finance Officer	[View Document](#)
Proceedings of Library Committee meetings for allocation of fund and utilization of fund	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Audited Statement highlighting the expenditure for purchase of books and journal library resources (Refer annexure number -01)	[View Document](#)
Link for additional information	[View Document](#)

4.3.5 E-content resources used by teachers: 1. NMEICT / NPTEL 2. other MOOCs platforms 3.SWAYAM 4. Institutional LMS 5. e-PG-Pathshala

Response: Any Four of the above

File Description	Document
Supporting documents from the hosting agency for the e-content developed by the teachers need to be given	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Any additional information	[View Document](#)
Links to documents of e-content resources used	[View Document](#)
Give links e-content repository used by the teachers / Students	[View Document](#)

4.4 IT Infrastructure

4.4.1 Percentage of classrooms, seminar halls and demonstration rooms linked with internet /Wi-Fi enabled ICT facilities (data for the preceding academic year)

Response: 97.87

4.4.1.1 Number of classrooms, seminar halls and demonstration rooms linked with internet /Wi-Fi enabled ICT facilities

Response: 367

4.4.1.2 Total number of classrooms, seminar halls and demonstration room in the institution

Response: 375

File Description	Document
Institutional data in prescribed format	[View Document](#)
Geotagged photographs of the facilities	[View Document](#)
Consolidated list duly certified by the Head of the institution.	[View Document](#)
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

4.4.2 Institution frequently updates its computer availability for students and IT facilities including Wi-Fi

Response:

The DPU has state-of-the-art Data Center with separate IT and SDC units. IT and SDC are managed separately by respective Heads and supported by 40 well trained staff. Data Center provides comprehensive technical IT support including software development, procurement and maintenance of hardware and liaising with software providers. Wi-Fi facility is provided throughout the campus with optic fiber network and Internet broadband connectivity through 1000 Mbps 1:1 lease line of Tata Communications Ltd. Further 1 GBPS is through NKN, BSNL-150 Mbps though P2P connectivity from Tata; 1-10 GBPS ring shape OFC from DPU Data Center to the Institutes is made available and well appreciated use of the facilities are going on in the campus.

The DPU has about 1669 computers of which 1071 have been utilized exclusively for academic purpose by the students and the faculty members and the remaining are used for administrative work.

The institution-wise distribution of the computer facilities is given as follows:

Constituent Units	No. of Computers
Medical	608
Dental	76
Biotech	95
Ayurveda	23
Homoeopathy	10
Physiotherapy	55
Nursing	12
Optometry	8
GBSRC	184

The computer facility in the library is utilized effectively by students for accessing e-learning resources from morning till evening. Frequent up-gradation of IT infrastructure has ensured high speed connectivity to these computers that are readily available to the faculty members and students. Hostels are also having Wi-Fi connectivity.

Following Figure is highlighting the entire campus ICT network.

Dr. D. Y. Patil Vidyapeeth, Pune
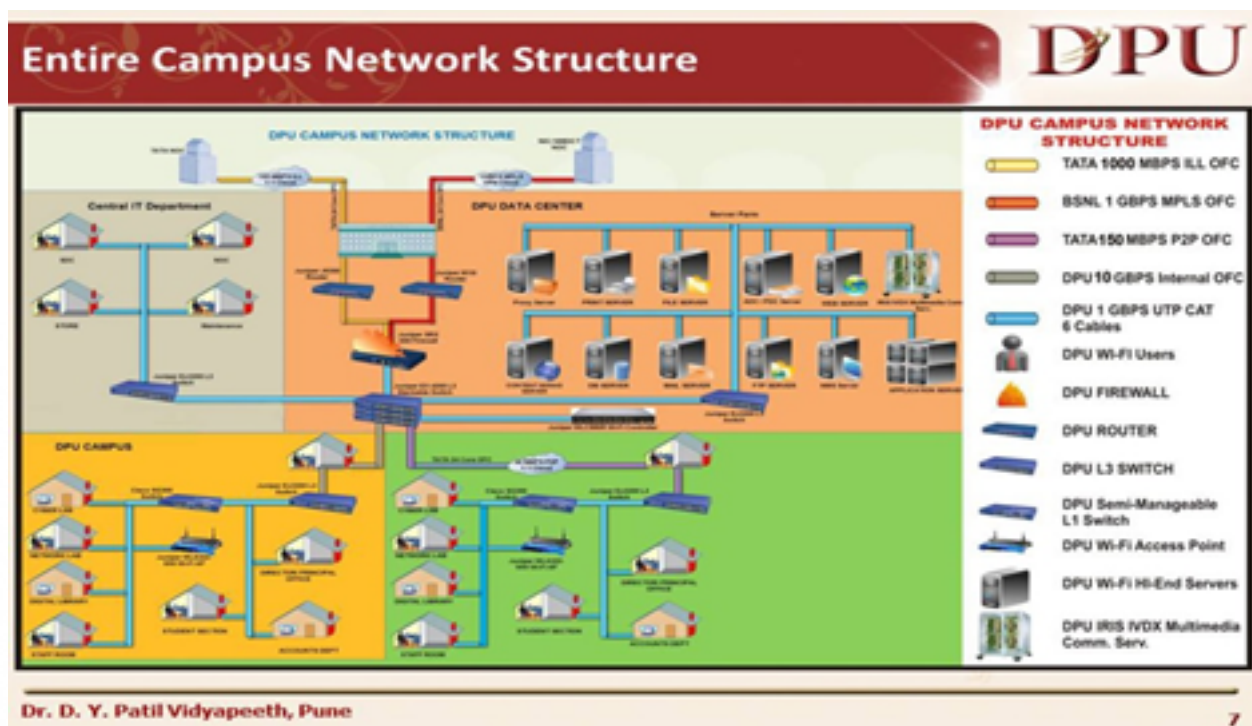
Up-gradations:

Over the last five years numbers of computers have increased from **860 to 1669** and Internet bandwidth increased to more than 1 GBPS with new managed Network switches. Wi-Fi services are available in classrooms, library and all the buildings of the Vidyapeeth. The classrooms have been upgraded with interactive display boards/ TVs making learning more effective. In addition, audio-video recording facility has been created for the development of e-content. The e-content is then uploaded on Vidyapeeth portal for access by the students for learning.

The installation of Hypervisor i.e. (Virtualization) has converted physical server into multiple virtual machines for each database module eliminating future purchases.

Details of up-gradation are as follows:

Sr. No.	Service	2014	2019
1.	Internet Bandwidth (in MBPS)	155	>1000
2.	WI-FI Devices: Juniper (WLA321/222/Mojo (C-110/65))	32	414
3.	Storage Capacity (in TB)	15	110
4.	Number of Software Licenses	456	680
5.	Number of Servers	15	19
6.	Antiviruses	1500	2500
7.	Registered Wi-Fi Users	650	1400
8.	Number of Projectors	24	136
9.	Number of Smart-boards	7	33
10.	Number of PCs	860	1669
11.	Number of Server/ Network Rooms	7	25
12.	Number of Firewalls	1	2
13.	Number of Staff Attendance/Biometric Devices	16	40

14.	Number of Student Class Attendance Devices	--	97
15.	Number of Flap barriers/Tripod turnstiles	12	24
16.	Number of Door Access Control Devices	--	123
17.	Number of Access Library Controls	--	26
18.	Number Of CCTV	218	688
19.	PA System	--	490

File Description	Document
Any additional information	View Document
Links for documents relating to updation of IT and Wi-Fi facilities	View Document
Link for additional information	View Document

4.4.3 Available bandwidth of internet connection in the Institution (Lease line)

Response: ?1 GBPS

File Description	Document
Institutional data in prescribed format	View Document
Details of available bandwidth of internet connection in the institution	View Document
Bills for any one month of the last completed academic year indicating internet connection plan, speed and bandwidth	View Document
Annual subscription bill / receipt	View Document
Link for additional information	View Document

4.4.4 Facilities for e-content development such as Media centre, audio visual centre, Lecture Capturing System(LCS), etc.,

Response:

Yes, for e-content development facilities like Media centre and Lecture recording are available. The e-Content development and the associated web-based learning complements teaching learning process. In order to include e-Content in learning DPU has taken steps to develop infrastructure as follows:

Establishment of AV studio for preparation of e-content:

Dr. D. Y. Patil Vidyapeeth has its own e-content development facility for learning innovations. This caters

to the needs of students in providing access to the digital contents. The video recording studio is available to the faculty to create and disseminate digital contents such as high-end audio and video, high profile lectures and live broadcasts. Studio and on-location video shoots, editing, postproduction, video transcoding, podcast production and archiving are available.

Lecture Capturing System (LCS):

DPU makes use *of* lecture capturing where all classes are recorded in real time and made available on the *Vidyapeeth* online platform. This is the best methodology for conducting a systematic review. It adds value to courses – as more and more students are demanding the flexibility and control that recorded lectures provide over their learning. It works especially well in subject areas where students benefit from repeated viewing of content.

The content development, editing and publishing are well defined processes at DPU. Content is peer reviewed and checked for quality and plagiarism. For new program development a thorough process is followed right from need assessment to courseware development. The program development process at DPU goes through three stages namely: program formulation, instructional design and development of courseware.

The software used is Shortcut open source video editor, iMovie video editing for mac, Audacity and Catewalk by Bandlab foe audio editing and mixing, Adobe Premier and Adobe Aftereffect.

These videos help learners to comprehend the key concepts of the various courses. The core topics of the courses are covered in the video lectures. It makes possible for students to view these lectures at a time and place convenient to one and learn at one's own time and pace.

The DPU deploys the E-learning solution for the Teaching Faculty and students. In this system digital board installed with Cybernetic device which is installed in the classrooms to provide the virtual learning facility. The departments are provided with computers, peripherals, LCDs, enabling the teachers to adopt ICT methods in teaching. The teachers and students are also making use of e-resources through e-library and internet connectivity.

Many of the students like to audio-record or watch video recordings of their lectures in order to review the content. They feel that it helps consolidate their learning. It is far less time efficient than previewing the topic, attending and taking effective notes.

File Description	Document
Any additional information	[View Document](#)
Links for the e-content development facilities	[View Document](#)
Links for Geo-tagged photographs	[View Document](#)
Link for additional information	[View Document](#)

4.5 Maintenance of Campus Infrastructure

4.5.1 Average percentage of expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component during the last five years

Response: 32.88

4.5.1.1 Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component year-wise during the last five years (INR in lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
10261	7470	4421	3669	3027

File Description	Document
Institutional data in prescribed format	[View Document](#)
Details about approved budget in support of the above	[View Document](#)
Audited statements of accounts for maintenance (Refer annexure number -01 as per SOP)	[View Document](#)
Link to ERP	[View Document](#)
Link for additional information	[View Document](#)

4.5.2 There are established systems and processes for maintaining physical and academic support facilities: (laboratory, library, sports facilities, computers, classrooms, etc.)

Response:

Each constituent unit has a Maintenance Cell with designated personnel and officials for the maintenance of buildings, classrooms, laboratories and other campus facilities. Maintenance cell meetings are held quarterly.

A few of campus specific initiatives undertaken are as follows:

ICT Maintenance:

The Vidyapeeth has an independent IT Department for maintaining the IT resources. IT Department includes hardware and networking team for handling IT related issues and SDC for implementing and developing DPU-ERP software. Annual maintenance contracts with the suppliers of ICT based instrumentation; hardware and software are in place.

Electrical and electronic maintenance:

- The Vidyapeeth has engineering section that looks after maintenance of electrical installations, lifts, water coolers, air conditioners and generators. The electrical and electronic equipment are looked after by a team of electrical maintenance staff.

- Annual maintenance contracts for biomedical equipment, computers and other gadgets are in place.
- Periodic instructions, reviews, checks, observations by the stakeholders and continuous monitoring helps in maintenance of the entire infrastructure.

Maintenance of Physical Facilities:

- A team of skilled personnel carry out maintenance works related to civil, plumbing, sanitation, water supply, power backup, electric supply, as well as repair of instruments and machines. The maintenance cell undertakes repair work at constituent units, hospitals, support services, hostels, sports and other central facilities.
- Trained personnel take care of housekeeping.
- Adequate security guards working in shifts at all strategic points and locations ensure safety and security.
- The maintenance cell also undertakes upkeep of roads, streetlights, gardens, lawns, pavements and other public places within the campus besides work related to landscaping and beautification.
- Each department is provided with dedicated attendants, sweepers and other support staff for the safety and security of the departmental facilities.
- Separate teams of maintenance staff are posted at various hostels.
- Nine well-equipped ambulances with life-saving support facilities (two) are available round the clock. Mobile dental vans (two) are also available for community services.
- Twelve buses and six cars are available as transport facility to staff and students apart from battery operated vehicles for easy transport of patients within the campus.

Academic Support facilities:

Library: The Library committee takes care of the safety and other maintenance issues related to library. A yearly book audit is conducted across all faculties and departments to check the maintenance of books.

Laboratory: Dr. D. Y. Patil Hospital has Central Clinical Laboratory, Animal House, Museums, Central Research facility, Genetic laboratory. Regenerative Medicine Laboratory was established in 2018. All nine constituent units have skill labs which are well equipped with Models, Charts, and latest equipment. All this equipment is not only properly insured but also under annual maintenance contracts. Each constituent unit laboratory has systems for preventive measures and maintenance records.

Sport Facilities: The Vidyapeeth always laid emphasis for the overall holistic development of students through rich students support services and facilities. DPU has separate Sports Department which takes care of sport equipment and maintenance of ground.

Computers and classrooms:

The computers, Wi-Fi facilities in classrooms, LAN connectivity is maintained and upgraded regularly by team of experts from IT department.

File Description	Document
Links for minutes of the meetings of the Maintenance Committee.	[View Document](#)
Links for log book or other records regarding maintenance works.	[View Document](#)

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Average percentage of students benefited by scholarships /free ships / fee-waivers by Government / Non-Governmental agencies / Institution during the last five years

Response: 29.57

5.1.1.1 Number of students benefited by scholarships /free ships / fee-waivers by Government / Non-Governmental agencies / Institution during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
1623	1399	1226	936	757

File Description	Document
Self-attested letters with the list of students with Government-sanctioned scholarships and fee-waivers	[View Document](#)
List of students benefited by scholarships / fee-waivers etc. provided by the institution and other non-government schemes	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Copies of sanction letters from the University / non-government schemes	[View Document](#)
Consolidated document in favour of freeships and number of beneficiaries duly signed by the Head of the institution	[View Document](#)
Attested copies of the sanction letters from the sanctioning authorities	[View Document](#)
Any additional information	[View Document](#)
Link for additional information	[View Document](#)

5.1.2 *Institution implements a variety of capability enhancement and other skill development schemes*

  1. **Soft skills development**
  2. **Language and communication skill development**
  3. **Yoga and wellness**
  4. **Analytical skill development**
  5. **Human value development**

6.Personality and professional development

7.Employability skill development

Response: All of the above

File Description	Document
Institutional data in prescribed format	[View Document](#)
Details of capability enhancement and skills development schemes	[View Document](#)
Detailed report of the Capacity enhancement programs and other skill development schemes	[View Document](#)
Any additional information	[View Document](#)
Link to institutional website	[View Document](#)

5.1.3 Average percentage of students benefited by guidance for competitive examinations and career advancement offered by the Institution during the last five years.

Response: 39.18

5.1.3.1 Number of students provided with training and guidance for competitive examinations and career advancement offered by the Institution year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
2266	1633	1505	1288	1159

File Description	Document
Year-wise list of students attending each of these schemes signed by competent authority	[View Document](#)
Program/scheme mentioned in the metric	[View Document](#)
List of students (Certified by the Head of the Institution) benefited by guidance for competitive examinations and career advancement offered by the institution during the last five years	[View Document](#)
Institutional Data in Prescribed format	[View Document](#)
Copy of circular/brochure of such programs	[View Document](#)
Any additional information	[View Document](#)
Link for additional information	[View Document](#)

5.1.4 The institution has an active international student cell

Response:

International Student Cell (ISC) is functioning at DPU with the objective of attracting international students ensuring inclusive environment for their holistic development. DPU is committed to provide student support services which ensures the progress of International students.

Dr. D. Y. Patil Vidyapeeth participates in International Education Fairs/Exhibitions in order to guide and motivate students for pursuing their studies at DPU. Every year 25 to 30 students from Kuwait, Saudi Arabia, UAE, Nepal, Oman, Nigeria, US, UK, Australia etc. are admitted in various programmes of constituent units of DPU.

Objectives of the International Students Cell are achieved by the number of formal and informal systems and strategies. Every constituent unit has Mentorship Committee to mentor these international students who come from diverse backgrounds. This committee provides them academic and psychological support and solves their personal as well as professional issues and guide them through various phases of academic and personal development during their stay at the Vidyapeeth.

Language classes and training sessions are conducted by constituent units of the Vidyapeeth to overcome the linguistic barrier of the international students and to teach them local language especially during the first year of their academic programme.

International Student Cell at Ayurved College helps in organizing Summer programmes and joint research projects for students from US, Brazil, Spain, etc.

The faculty of Biotechnology encourages students to participate in student exchange programme through MoUs signed with University of Skovde (UoS), Sweden. Every year students and teachers from DPU visit UoS and students from UoS also visit and spend one semester in DPU. Under this collaborative programme in all more than 35 visits of both teachers and students from both the sides have taken place and several international articles and about 5 patents have been published.

Students from Medical and Nursing colleges participate in the Web based learning programme conducted under the MoU signed between DPU and Johns Hopkins University (JHU), USA. Students from JHU visit DPU through this MoU. This programme is now expanded for undertaking research and encouraging visits of students of DPU to JHU.

Other committees like Hostel and Counselling are also constituted to look after these students. The services related to food and accommodation are provided. Health issues due to climatic variations are taken care of by regular health check-ups.

These students are always encouraged by the ISC to participate in co-curricular and extra-curricular activities like seminars, symposia, sports, cultural events and annual day functions.

File Description	Document
Any additional information	[View Document](#)
Link for additional information	[View Document](#)
Links for international students' cell	[View Document](#)

5.1.5 The institution has a transparent mechanism for timely redressal of student grievances / prevention of sexual harassment and prevention of ragging

1. **Adoption of guidelines of Regulatory bodies**
2. **Presence of the committee and mechanism of receiving student grievances (online/ offline)**
3. **Periodic meetings of the committee with minutes**
4. **Record of action taken**

Response: All of the above

File Description	Document
Minutes of the meetings of student Grievance redressal committee and Anti-Ragging committee	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Circular/web-link/ committee report justifying the objective of the metric	[View Document](#)
Any additional information	[View Document](#)
Link for additional information	[View Document](#)

5.2 Student Progression

5.2.1 Average percentage of students qualifying in state/ national/ international level examinations during the last five years (eg: NET/SLET/GATE/GMAT/GPAT/CAT/GRE/TOEFL/PLAB/USMLE /AYUSH/AICTE/ Civil Services/Defense /UPSC/State government examinations/PG-NEET/ AIIMSPGET, JIPMER Entrance Test, PGIMER Entrance Test etc.,)

Response: 52.56

5.2.1.1 Number of students qualifying in state/ national/ international level examinations (eg: NET/SLET/GATE/GMAT/CAT/GRE/TOEFL/ PLAB/ USMLE /Civil services/ Defense/UPSC/State government examinations/ *PG-NEET/* AIMSPGET, JIPMER Entrance Test, PGIMER Entrance Test etc.,) year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
143	72	41	28	10

5.2.1.2 Number of students appearing in state/ national/ international level examinations (eg: NET/SLET/GATE/GMAT/CAT/GRE/TOEFL/ *PLAB/ USMLE/*Civil Services/State government examinations *PG-NEET/* AIMSPGET, JIPMER Entrance Test, PGIMER Entrance Test etc.,)) year wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
236	123	79	58	23

File Description	Document
Pass Certificates of the examination	[View Document]()
List of students qualifying for state/national/international-level examinations during the last five years with their roll numbers and registration numbers	[View Document]()
Institutional data in prescribed format	[View Document]()
Any additional information	[View Document]()

5.2.2 Average percentage of placement /self employed professional services of graduating students during the last five years

Response: 71.52

5.2.2.1 Number of outgoing students who got placed / self-employed year- wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
756	680	633	569	523

File Description	Document
Self-attested list of students placed/self-employed	[View Document]()
Institutional data in prescribed format	[View Document]()
Any additional information	[View Document]()
Annual reports of Placement Cell	[View Document]()
Link for additional information	[View Document]()

5.2.3 Percentage of the graduates in the preceding academic year, who have had progression to higher education.

Response: 13.54

5.2.3.1 Number of batch of graduated students of the year before preceding year, who have progressed to higher education

Response: 142

File Description	Document
Supporting data for student/alumni in prescribed format.	View Document
List of students who have progressed to Higher education preceding academic year	View Document
Institutional data in prescribed format	View Document

5.3 Student Participation and Activities

5.3.1 Number of awards/medals for outstanding performance in sports/cultural activities at state/regional/national/international events (award for a team event should be counted as one) during the last five years

Response: 37

5.3.1.1 Number of awards/medals for outstanding performance in sports/cultural activities at state/regional/national/international events (award for a team event should be counted as one) year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
24	9	4	0	0

File Description	Document
Institutional data in prescribed format	View Document
Certified e-copies of award letters and certificates.	View Document

5.3.2 Presence of Student Council and its activities for institutional development and student welfare

Response:

- DPU has its vibrant Student Council. It comprises of various General Secretaries representing different constituent units. The Student Council is constituted in accordance with the bye-laws of the Vidyapeeth. For the nomination of student members on the council parameters like academic excellence and special inclination for Arts, Sports and Literary activities are taken into consideration. The composition of the Student Council of DPU is

- Vice-Chancellor - Chairman
- Director Student's Welfare- Member Secretary
- Registrar- Member
- President Student Council-DPU
- General Secretary Student Council-DPU
- Women Representative of Student Council-DPU
- General Secretary of constituent units - Members
- All Heads of constituent units – Members

- Under the guidance of the Director, Student Welfare, the Student Council of DPU conducts various co-curricular and extra-curricular activities throughout the year which helps in the all-round development of the students.
- DPU Urjja (Sports Event) and DPU-Nite (Cultural Event) are conducted every year.
- Every constituent unit has its Student Council which is formed by selecting students from each class as per bye-laws of the Vidyapeeth. Members of the Student Council bridge gap between students and the administration. They are the link between parents and institution and promote friendship and harmony amongst students besides representing views of the students.
- They are also actively involved in various activities of NSS, Unnat Bharat Abhiyaan and Swachhata Action Plan. Further, through the activities like Tree Plantation, One Student One Tree program, Blood Donation Camps, participation in Lifeline Express, Street plays, Awareness rallies and lectures on Organ Donation, Environment protection, Disaster management the Council extends support to society and needy people. This imbibes humanitarian values in the students. Students are also sensitized to the issues like Health, Hygiene and cleanliness through activities like Yoga day, Swachhata Pakhawada and Swachhata hi Seva. They also celebrate National/Commemorative days of Country's great leaders.
- Student Council also helps in organizing co-curricular events like debates/quizzes, arts, photography, workshops/conferences, health camps, seminars, awareness lectures and celebrations of WHO days, Teacher's day, Bioethics day etc.
- They also conduct extra-curricular events like

○ Cultural days: Traditional day, Mismatch day, Twins day etc.
○ Cultural competitions: Canvas/Glass/T-shirt Painting, Best out of waste, Quailing competition, Rangoli, Mehndi, Tattoo making, etc.
○ Sports competitions:

- Indoor :- Table-tennis, Carrom, Chess
- Outdoor:- Cricket, Football, Volleyball, Throw ball, Badminton, Athletic events etc.

○ Annual Social Gathering:- events like Dance, Singing, Drama, One Act Play, Fashion Show, Mimicry, Standup Comedy etc are also organized.
○ Wall Magazine, Annual College Magazine like Sparsh, Impression are released .

- Students are also actively involved in community-oriented research activity by respective constituent unit.
- They represent views of students on various academic and administrative bodies like IQAC, Library Committee, Anti-ragging Committee, Grievance Redressal Cell, etc. This helps in inculcating leadership qualities and democratic functioning.
- They were actively involved in 89th Akhil Bhartiya Marathi Sahitya Sammelan held at DPU in Jan. 2016.
- Students participated in Dehu & Alandi Dindi and College Festivals like Dhanvantari Pooja, Ganesh Pooja every year.
- They also participated in Flood Relief Camp at Sangli and Kolhapur.

File Description	Document
Any additional information	View Document
Links for Student Council activities	View Document
Link for additional information	View Document

5.3.3 Average number of sports and cultural activities / competitions organised at the institution level per year

Response: 30.4

5.3.3.1 Number of sports and cultural activities / competitions organised by the Institution year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
39	33	31	28	21

File Description	Document
Report of the events/along with photographs appropriately dated and captioned year-wise	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Event photograph if available (random selection with titles and date(s) of the events marked)	[View Document](#)
Copy of circular/brochure indicating such kind of activities	[View Document](#)
Link for additional information	[View Document](#)
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	[View Document](#)

5.4 Alumni Engagement

5.4.1 The Alumni Association/Chapters (registered and functional) has contributed significantly to the development of the Institution through financial and other support services during the last five years

Response:

Constituent units of DPU have vibrant Alumni Associations, registered under Societies Registration Act 1860. They are :-

Constituent unit	Name of Alumni Association	Registration No.
Dental College	DYPRoots Alumni Association	Maharashtra/1987/2006/Pune
Medical College	DYPMedalumni Alumni Association	Maharashtra/70/2006/Pune
Nursing College	DYP Seva Alumni Association	Maharashtra/1136/2007/Pune
Physiotherapy College	DYP Physio'sAlum Alumni Association	Maharashtra/1519/2007/Pune
Homoeopathy College	Dynamis Alumni Association	Maharashtra/1850/2019/Pune
Biotechnology and Bioinformatics Institute	Dr. D. Y. Patil Biotechnology and Bioinformatics (DYPBBI) Alumni Association	Maharashtra/02/2020/Pune
GBSRC	Alumni Association of Global Business School and Research Centre (GBSRC)	Maharashtra/83/2020/Pune
Optometry	DYPIOVS Alumni Association	Maharashtra/91/2020/Pune
Ayurved College	Alumni Association of Dr. D. Y. Patil College of Ayurved and Research Centre, Pune	Maharashtra/125/ 2020/Pune

- Alumni of all institutes contribute significantly to the development of the institution. Alumni participate in various activities including conducting career advancement lectures on topics like challenges in the Professional practice, how to overcome difficulties faced in practice, career guidance, seminars on current trends, etc. for the professional development of the students. This helps the students in preparing themselves for growth of professional career in advance.
- Enthusiastic and energetic alumni of DPU organize activities including Annual Meet, Extra-curricular activities, Blood/ Organ Donation Camps etc.
- Alumni of Nursing College have provided financial support to the students in the form of scholarships.
- Alumni have donated books and bone sets for students.
- The Annual General Body meetings are held every year whereas Executive Committee meets twice a year. During alumni meet, activities of the previous year are reviewed and planned for the forthcoming year. They also share their progress and job profile which inspires the present students and their fellow-mates.
- Feedback is taken from alumni regularly, which helps in upgrading the curriculum considering current needs.
- Alumni also help to boost the placement activities of constituent unit by providing information on career opportunities/Jobs and campus interviews.
- Every alumni association of the constituent unit receives some contribution from alumni members.
- Every year accounts of the association are audited by external agency, then placed before the members during annual meet.
- **Distinguished alumni :** -

1. Dr. Sujay Vikhe Patil (Medical) member of the 17th Lok Sabha, Govt. Of India.
2. Dr. Yashraj Patil (Medical) Trustee and Treasurer of Dr. D. Y. Patil Vidyapeeth Society, Pune.
3. Dr Shruti Kapoor (Medical) Chancellor Dr.A.P.J Abdul Kalam University Indore (M.P)
4. Dr Preeti Reddy (Medical) CEO & MD Malla Reddy Institute of Medical Sciences Hyderabad
5. Dr. Sudeep Kale (Physiotherapy) President, Maharashtra State Occupational Therapy & Physiotherapy Council
6. Mr. Faraz Zaidi (Biotechnology) involved in designing and testing corona virus vaccine, for the pandemic- COVID-19, at Wistar Institute, Philadelphia, USA
7. Dr.Shailesh Gavande (Dental) District Advisor of National Tobacco Control Program of Govt. of Maharashtra
8. Dr.Sagar Doifode IAS(Dental) District Development Commissioner
9. Ms. Shraddha Pandey, (Biotechnology) IPS Ministry of Corporate Affairs, India
10. Dr. Swapnil Chaudhari, (Biotechnology) Senior Scientist, Sartorius, Germany
11. Mr. Rahul Negi (Optometry), Consultant Optometrist, L. V. Prasad Eye Institute, Hyderabad

File Description	Document
Audited statement of accounts of the Alumni Association (Refer annexure number -01 as per SOP)	<u>View Document</u>
Any additional information	<u>View Document</u>

Links for quantum of financial contribution	<u>View Document</u>	
Links for frequency of meetings of Alumni Association with minutes	<u>View Document</u>	
Link for additional information	<u>View Document</u>	
Link for details of Alumni Association activities	<u>View Document</u>	

5.4.2 Provide the areas of contribution by the Alumni Association / chapters during the last five years

    1. **Financial / kind**
    2. **Donation of books /Journals/ volumes**
    3. **Students placement**
    4. **Student exchanges**
    5. **Institutional endowments**

Response: A. All of the above

File Description	Document
List of Alumni contributions made during the last 5 years	<u>View Document</u>
Certified statement of the contributions by the head of the Institution	<u>View Document</u>
Annual audited statements of accounts/ Extract of Audited statements of highlighting Alumni Association contribution duly certified by the Finance Officer and Head of the Institutions	<u>View Document</u>

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 The Institution has clearly stated vision and mission which are reflected in its academic and administrative governance.

Response:

Vision:

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

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".

Both the vision and mission statements have been approved by the Board of Management (vide its resolution BM-43-14 dated 20-01-2014) of DPU and are uploaded on the website. (*www.dpu.edu.in*)

Based on the vision and mission, DPU has continued its academic journey supported by proactive leadership and benevolent management, sound governance approach and keeping with the commitment to alleviate human suffering. This has been achieved by way of good governance leading to total quality management by single window delivery of health services and student-centric education. The governance model of DPU is as per the revised UGC (Deemed to be University), Regulations, 2019.

Statutory bodies

- Board of Management
- Planning and Monitoring
- Finance Committee
- Academic Council
- Board of Studies
- Anti-Ragging Committee
- Ethics Committee
- Internal Complaints Committee
- Grievance Redressal Committee

Other bodies

- Board of Research
- Board of Examinations
- Internal Quality Assurance Cell
- Research and Recognition Committee
- Faculty

- Scientific Advisory Committee
- Minority Cell / OBC Cell

There are College Council, Department Curriculum Development Committee [DCDC], Departmental Committees, Library Committee, Student welfare, Career Counselling and Guidance, Hostel, Research, Internal Complaints, Publications Guidelines, and such other committees.

Vision and Mission as reflected in Academic governance:

- DPU has made provision of infrastructure and ICT enabled teaching-learning facilities that are more than the requirements of the Regulatory Bodies.
- periodic evaluation of the academic plans, curriculum development processes and outcomes direct continuous improvement.
- Quality is achieved through a dynamic curriculum, rigorous process of implementation backed by academic governance structure.
- IQAC monitors internally the quality of education through various committees.
- Curricula are designed for the holistic development of students to acquire the knowledge, skills and attributes to respond to the needs of the community and uphold national and global ideals and values, that is reflected in the mission statement of DPU.
- The academic programs are supported by research, extension and extra-curricular activities.

Vision and Mission as reflected in administrative governance:

- BoM is an independent decision-making body of the DPU with full autonomy and ensures that education in diverse disciplines is provided as per vision of DPU.
- All the statutory bodies function according to well-laid policies and procedures that are transparent also in coordination with appropriate hierarchy.
- Decision-making is participatory (see flow chart) and implementation strategies are worked out in a democratic way to ensure desired results**.**
- Detailed documentation and its implementation of yearly academic processes ensured
- An annual review is conducted to make new decisions.
- The leadership is responsive to the issues raised in the meetings and timely decision making is assured.
- DPU-ERP System is used for quick dissemination of information and appropriate action at the constituent unit level.

Flow Chart for
Interactions with Stakeholders

Stake Holders
Students, Teachers, Educationalist, Employer,
Professionals, Alumni Patients, Parents.

Informal Mechanism ← → **Information** ← → **Formal Mechanism**

- One to one dialogus
- Observations and comments
- Information from the press
- E media
- Informal feedback

- Membership of committee
- Meeting with stake holders
- Parent teacher association
- alumina forum meetings
- Student council

formal feedback / Directions,
Instructions / Guidance, OM,
Letters

Feedback Analysis:
Suggestions and comments

Systematic sorting of the data by DPU

Issue needing new/revised policies	Issue within existing policies
Formation/revision of policies	Speedy implementation
Decision	
Implementation	

Evaluation

Stake Holder satisfaction, contentment, delight and continuous improvement

File Description	Document
Any additional information	[View Document](#)
Link for vision and mission documents approved by the Statutory Bodies	[View Document](#)
Link for report of achievements which led to Institutional excellence	[View Document](#)
Link for additional information	[View Document](#)

6.1.2 Effective leadership is reflected in various institutional practices such as decentralization and participative management etc.

Response:

DPU has a mechanism for assigning authority and providing operational autonomy to various functionaries to work towards a decentralized and participative governance system at several levels (see diagram).

- The AC and BoM are the Principal Academic and Administrative Bodies of the Vidyapeeth chaired by the Vice-Chancellor.
- All the academic and operational decisions taken by the AC and approved by BOM are implemented by the respective constituent units. They have established College Council Committees to review the academic progress ensuring fulfillment of the vision and mission of the institute.
- Faculty members are assigned responsibilities as a member in various committees related to academic, co-curricular and extra-curricular activities. This gives them an opportunity to showcase their abilities.
- Students are provided an active role as a coordinator of co-curricular and extracurricular, extension activities. They also help in organizing seminars/workshops/conferences/FDPs.

Decentralization and Participative Management
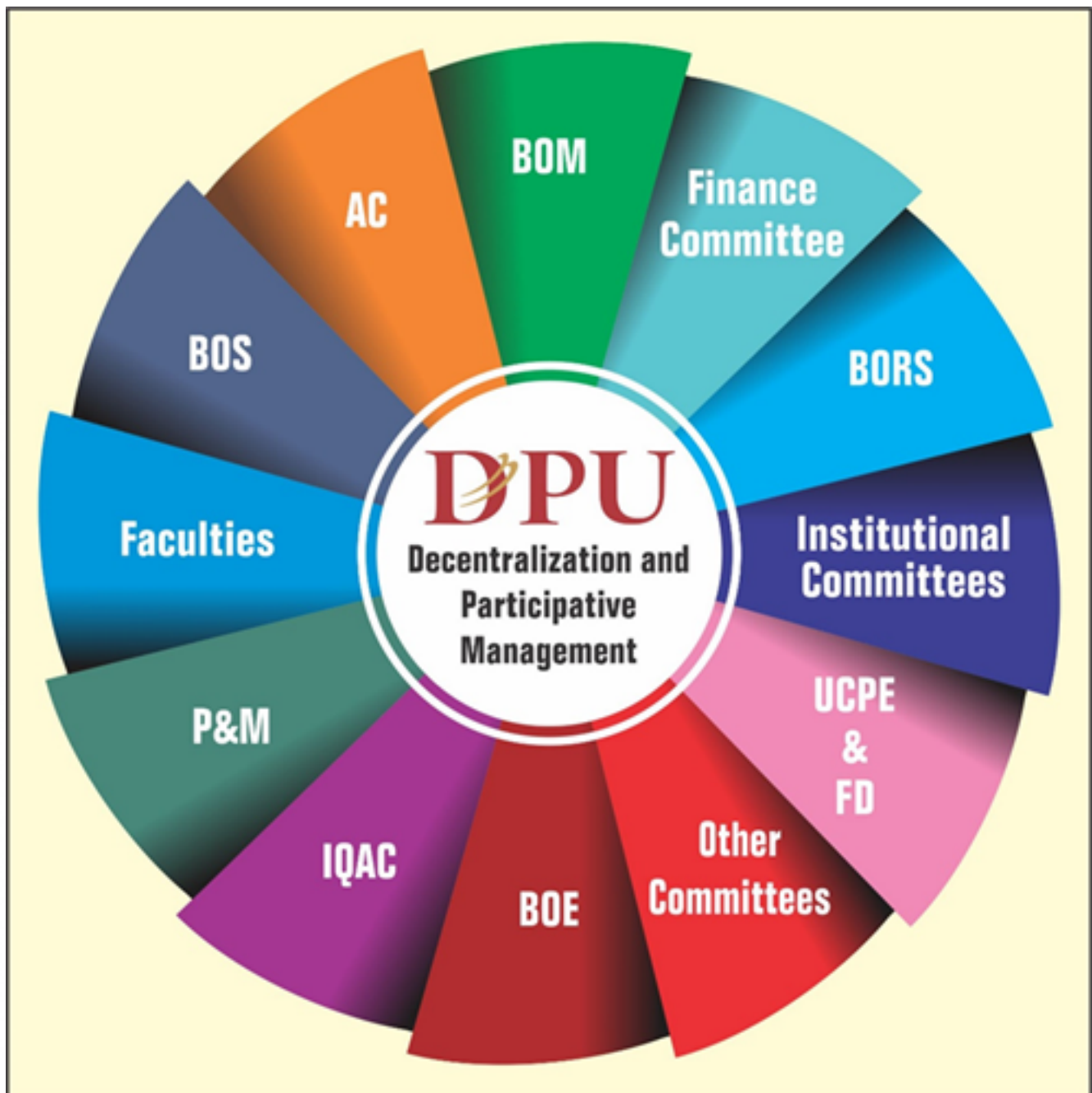
Schedule of meetings is prepared, and meetings are held at regular intervals to ensure speedy and timely decision making. The leadership is approachable, reviews inputs of the committees positively for the provision of resources and addresses concerns for effective implementation.

Case Study

The Vidyapeeth promotes a culture of participative management by involving the teaching and non-teaching staff, students, professionals, employers, alumni, class coordinators and class representatives and parents in various activities. All these stakeholders are encouraged to share their ideas, opinions, suggestions through proper channels i.e. through the respective committee meetings and feedback mechanism. The inputs received are reviewed and are considered for decision making.

For Example New Curriculum Development and revision process.

Whenever new curricula are to be designed and implemented or old curricular revision is needed, then the

process starts at the first level by soliciting inputs of various stakeholders, including faculty, students, experts, professionals, employers and even parents. The Head of the Departments compiles and presents these inputs to the Dean/Principal in the College Council meetings. The Head of the Departments along with the Department Curriculum Development Committee [DCDC] compiles feedback inputs and presents these inputs to the Dean/Principal in the College Council meetings. The inputs include the need and necessity of the course, its alignment with vision and mission, eligibility for admission, employability and whether it is a core requirement or offering value addition.

The infrastructure, budgetary requirements and fee structure are all worked out. Then the proposal is submitted to the concerned BoS. Feedback received from various stakeholders on the curriculum after its analysis is also placed before BoS. The BoS reviews the proposal and incorporates suggestions and modifications proposed by members. The proposal is further reviewed and recommended to the concerned Faculty before being placed in the AC for further consideration and recommendation to BOM. After the approval by BOM, the same is communicated to the concerned college by the Registrar for implementation.
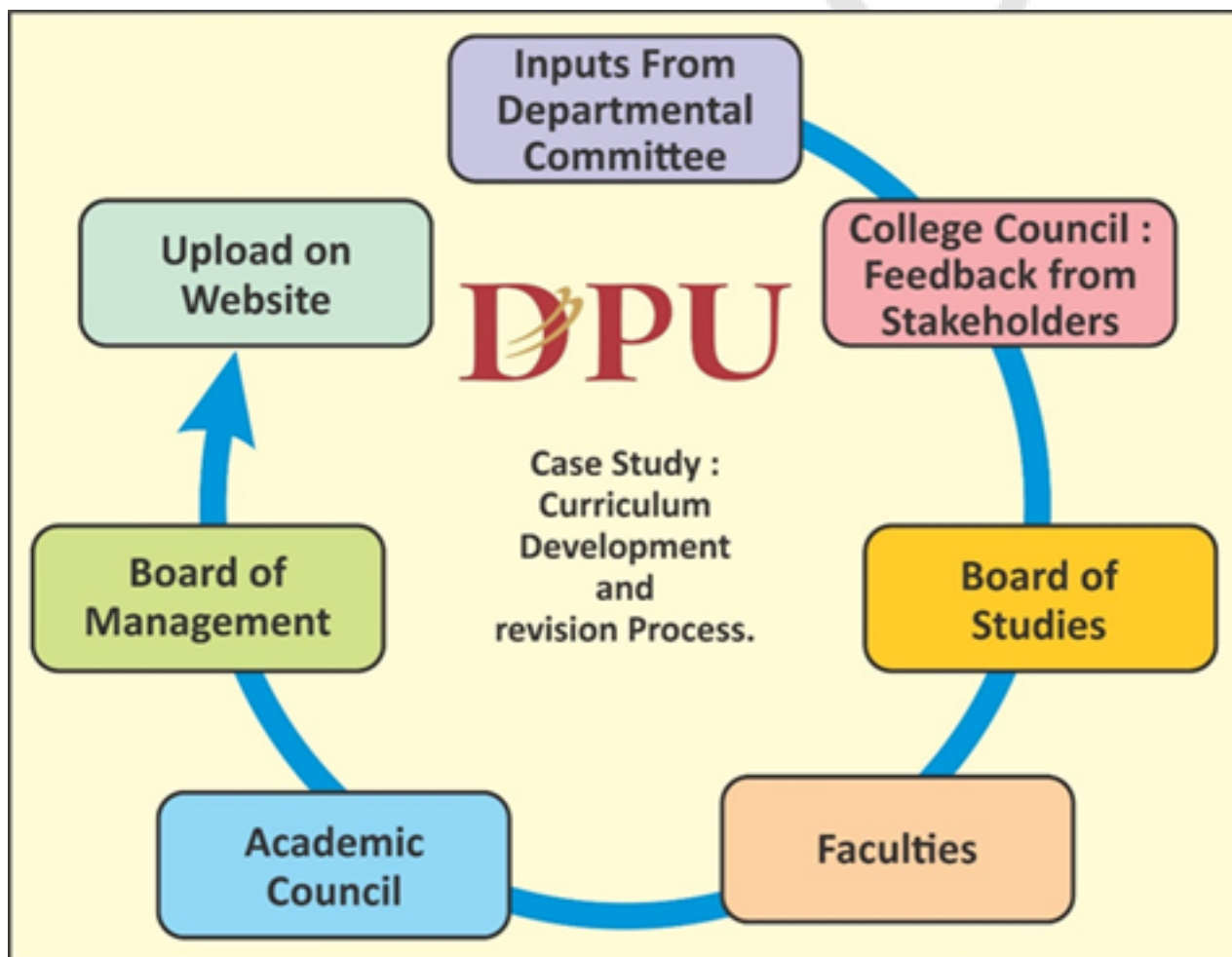
Development of curricula is based on national and WHO goals of "Health for all" and as per regulatory directives for undergraduate and postgraduate education for health professionals.

Details are mentioned in www.dpu.edu.in

File Description	Document
Link for information / documents in support of the case study	View Document
Link for additional information	View Document

6.2 Strategy Development and Deployment

6.2.1 The institutional Strategic plan is effectively deployed.

Response:

The strategic plan of DPU (Vision 2025) was developed by involving all the stakeholders through various bodies/committees, such as Departmental Committees, College Councils, Board of Research, Planning &Monitoring Board, Academic Council and Board of Management.

Vision 2025:

"To develop a knowledge center which will be recognized for its academic pursuit not only in India but also Globally"

The Vision and Mission of the Vidyapeeth have been the basis for the perspective plan, strategy development, and deployment. The document considers goals, objectives, and strategies in alignment with the Vision statement considering the present scenario in the field of education and healthcare.

Based on goals and objectives, the roadmap of the strategic plan is developed for its implementation. For this purpose, the need for resources like trained manpower, infrastructure, scheduling, and funding requirements are taken into consideration.

Each constituent unit defines its own objectives in the form of performance targets and indicators that are unambiguous and realistically achievable. Monitoring, analysis, and reporting were considered important factors to create a well-defined, clear, and robust strategic plan.

Thus, DPU Vision 2025 document outlines the strategy for the accomplishment of its vision through its constituent colleges in a phase-wise manner. In fact, all targets of Phase I have been achieved due to systematic monitoring and meticulous planning.

DPU-Vision 2025

Sr. No.	Planned	Effectively Deployed	
1	Superspeciality and Robotic surgery	7 Superspeciality, 4th Generation Da Vinci Robotic surgery ma	
2	ICT enabled teaching-learning methods	Teachers are reinvigorated to use smart boards and students are adopt e-learning strategies, e-learning information ret examinations, and development of self-learning and evaluation	

3	Examination and Evaluation	Double evaluation is implemented; "Examination reform necessarily e-contextual and evolutionary that includes onl forms and fees, online hall ticket generation, online examination, proctor based online MBA entrance examination online internal assessments marks and practical examination Vidyapeeth.
4	Research and development	• Rigorous training and awareness activities. • State of the art infrastructure, equipment, and instrumen research work. • Provision of DPU seed research grant. • Financial support for attending conferences. • Publication incentives. • Financial support for Patent filling. • Provision of Ph.D. and Post-Doctoral fellowships. • Fees concession for in-house Ph.D. scholars. • Anti-Plagiarism software support. • Consortium for Interdisciplinary Research
5	Community engagement/outreach activities	Extension* and outreach activities* such as community He Community health camps, Tele-conferences, Tele-Medicine c are conducted in collaboration with Industry, Governm Government Organizations engaging NSS/ Red cross/YRC clubs, etc., during the last five years. The Charity Co Maharashtra accorded the Vidyapeeth first prize for **Charity H patient's doorstep on December 3, 2017,** Dr. D. Y. Patil M Hospital and Research Centre, Pimpri, Pune provided free trea poor and those who are at the lowest ladder of economic strata DPU has been ranked 9th among the cleanest HEI in the S Ranking 2019.
6	Accreditation by National agencies	NABH, NABL, NIRF, ISO

File Description	Document
Link for Strategic Plan document	[View Document](#)
Link for minutes of the Governing Council/ other relevant bodies for deployment / monitoring of the deliverables	[View Document](#)
Link for additional information	[View Document](#)

6.2.2 Effectiveness and efficiency of functioning of the institutional bodies as evidenced by policies, administrative setup, appointment and service rules, procedures etc.

Response:

Based on UGC (Deemed to be University) Regulations 2019, DPU has established all the Statutory Bodies for the involvement of various stakeholders in the process of decision making and implementation. These include the Board of Management, Academic Council, Finance Committee, Planning and Monitoring Board and Board of Studies. Additionally, the Board of Research, Board of Examinations and Faculty have been constituted. The effectiveness of these bodies is evident through minutes of meetings and the implementation of their resolutions.

These Committees work at various levels for the effective functioning of the Vidyapeeth. Regular meetings are conducted to consider various agenda items and issues to take decisions. Resolutions are made and the appropriate actions are taken by the officers of the Vidyapeeth.

- The schedule of meetings of various Statutory Authorities and Committees is as given in the Bye-Laws of the Vidyapeeth. The minutes of all the meetings are maintained by the Member Secretary in the appropriate office such as Registrar, Controller of Examinations, Finance Officer and Director of Student's Welfare.
- Apart from MOA and rules, DPU has framed Bye-Laws, defining roles and responsibilities of various officers of the Vidyapeeth as well as teaching and non-teaching staff. Further different policies and guidelines for different committees have been framed including Appointments, Promotions, Human Resource (HR), Intellectual Property Rights (IPR), Consultancy, Research, Ethics, Conduct and Discipline and guidelines for Internal Complaints Committee, Grievance Redressal, Anti Ragging, Anti-Discrimination Committee and Minority Cell. The Convocation and Examination related details are provided in the Examination Manual.
- Student related committees include Student Council, Hostel Committee, Students related Grievance Redressal Committee, Committee for Sports and Cultural Activities are in place.

The organizational structure of the Vidyapeeth including the Governing Body, administrative setup and functions of various bodies, service rules, procedures, recruitment, promotional policies as well as grievance redressal mechanism is uploaded on the website of the Vidyapeeth.

Organization Structure of Dr. D. Y. Patil Vidyapeeth, Pune

- Board of Management https://dpu.edu.in/board-of-management.aspx
- Academic council
- Planning and monitoring
- Finance committee
- Board of research
- Internal Quality Assurance cell [IQAC]
- Grievance Redressal Mechanism
- Complaint committee
- University Examinations Student Grievance Redressal Cell
- International Students Cell
- Anti-Discrimination Cell

The fulcrum of all administrative activities is the Registrar, and the principal executive is the Vice-Chancellor.

ACADEMIC ORGANOGRAM

The Deans / Principals / Directors have been given full academic and administrative autonomy for the effective functioning and implementation of Vidyapeeth policies. The heads of the department have been given full academic autonomy of the department.   All the departments having autonomy for pursuing the academic activities for implementing the decision of the Vidyapeeth as per the calendar of events that includes the following:

- Preparation of lecture and practical plan for the year
- Use of innovative teaching and learning methodologies
- Research and publications

- Examination and assessments, Patient treatment/health care
- Extension and outreach activities
- Student support activities
- Maintaining records of internal assessments, patient records, etc.

Deans /Principals /Directors and Heads of the Departments are responsible to implementing various resolutions passed by the Board of Management, AC, Planning and Monitoring Board, Board of Examinations etc.

File Description	Document
Any additional information	[View Document](#)
Link for organogram of the University	[View Document](#)
Link for Annual Report of the preceding academic year	[View Document](#)
Link for minutes of meetings of various Bodies and Committees	[View Document](#)

6.2.3 The University has implemented e-governance in the following areas of operation

1. **Planning and Development**
2. **Administration (including Hospital Administration & Medical Records)**
3. **Finance and Accounts**
4. **Student Admission and Support**
5. **Examination**

Response: All of the above

File Description	Document
Screen shots of user interfaces, if any	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Institutional budget statements allocated for the heads of E-governance implementation ERP Document	[View Document](#)
E-Governance architecture document	[View Document](#)
Any additional information	[View Document](#)

6.3 Faculty and Staff Empowerment Strategies

6.3.1 The institution has effective welfare measures for teaching and non-teaching staff, and other beneficiaries.

Response:

Yes, the institution has effective welfare measures including various facilities, services and other amenities for the employees and students.

These welfare measures are taken to empower all the staff for their holistic development. The DPU has made provision of following welfare measures:

- Provident fund, Insurance
- Provision of funds for attending workshops, seminars, and conferences.
- Performance appraisal-based promotion scheme.
- Various leaves annual leave, casual leave, earned leave, medical leave, maternity leave, sabbatical leave.
- Fees instalments scheme for the wards.
- Seed money for research.
- Incentives for publications and for receiving awards.
- Travel grants for participation in conferences/seminars/workshops.
- Accommodation facility on the campus.
- Transport facility
- Seminars, workshops, conferences, guest lectures and CME for the academic update.
- Provision of Loyalty bonus.
- Daycare centre and human milk bank facility.
- For admin, staff institution organizes personality development programmes, soft skills, Yoga and Meditation as well as the provision of uniform to class IV staff.
- Opportunity for higher education.
- DPU has over 50% of women faculty, admin staff and students. In view of this various activities are conducted for empowering them. They include awareness programmes, self-defence workshops, general health checkup and financial literacy programmes, healthy living and work-life balance, Yoga, and wellness as well as soft skills.
- The appreciation certificates and cash prizes are given to the staff for receiving awards at national and international levels. Further DPU rewards faculty for their outstanding performance in research and for innovative teaching by way of instituting awards that include: Innovative Teaching Award (Rs.20k), Ideal Teacher Award (100gm Gold Medal), Young Researcher Award (Rs.20k), Best Researcher Award(40K) and Consistent Performance Award. (Rs.20k)
- Free medical facilities

File Description	Document
Any additional information	
Link for policy document on welfare measures	View Document
Link for list of beneficiaries of welfare measures	View Document
Link for additional information	View Document

Other Upload Files	
1	View Document

6.3.2 Average percentage of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the last five years

Response: 55.87

6.3.2.1 Number of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
390	307	305	255	259

File Description	Document
Policy document on providing financial support to teachers	View Document
List of teachers provided with membership fee for professional bodies	View Document
List of teachers provided with financial support to attend conferences, workshops etc. during the last five years	View Document
Institutional data in prescribed format	View Document
E-copy of letter/s indicating financial assistance to teachers and list of teachers receiving financial support year-wise under each head.	View Document
Audited statement of account highlighting the financial support to teachers to attend conferences/workshops and towards membership fee for professional bodies.	View Document

6.3.3 Average number of professional development / administrative training programs organized by the University for teaching and non teaching staff during the last five years

Response: 143.2

6.3.3.1 Total number of professional development / administrative training programmes organized by the Institution for teaching and non-teaching staff year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
205	167	130	128	86

File Description	Document
Reports of Academic Staff College or similar centres Verification of schedules of training programs	View Document
List of professional development / administrative training programmes organized by the University year-wise for the last five years	View Document
Institutional data in prescribed format	View Document
Detailed program report for each program should be made available Reports of the Human Resource Development Centres (UGC ASC or other relevant centres).	View Document
Copy of circular/ brochure/report of training program self conducted program may also be considered	View Document
Certified list of the participants who attended the professional development/administrative training programmes during the last five years	View Document

6.3.4 Average percentage of teachers undergoing Faculty Development Programmes (FDP) including online programmes (Orientation / Induction Programmes, Refresher Course, Short Term Course etc.) during the last five years..

Response: 46.73

6.3.4.1 Total Number of teachers attending such programmes year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
407	244	214	217	201

File Description	Document
List of teachers who attended Faculty Development Programmes including online programmes during the last five years	[View Document](#)
Institutional data in prescribed format	[View Document](#)
E-copy of the certificate of the program attended by teacher	[View Document](#)
Annual reports of the IQAC and the University for the last five years.	[View Document](#)
Annual reports of the AQAR submitted to NAAC	[View Document](#)

6.3.5 Institution has Performance Appraisal System for teaching and non-teaching staff

Response:

DPU has a very transparent self-appraisal system that covers academic, administrative, and research activities of teaching staff. Overall performance appraisal for teaching and non-teaching staff is completed annually. The Head of the Department and Officers of the administrative section monitor their performances.

The Appraisal report is based on the annual performance of the employee that includes:

- Academic performance and teaching activities.
- Innovation in teaching-learning
- Research Projects guided and research schemes in hand
- Papers, books, book chapters, laboratory manuals published and edited.
- Conferences, seminars, workshops attended, and papers presented.
- Awards and Recognition received.
- Mentoring and Guidance to students
- Extra-curricular and co-curricular activities carried out.
- Administrative work is done for the College/ Vidyapeeth
- Participation in organizing events and workshops.
- Participation in examination work.
- Feedback from various stakeholders.
- The above set performance appraisal report is to be filled by the employee in prescribed proforma. The view of the employee in the prescribed proforma is reviewed by the Head of the Department.
- The report of appraisal of Principal / Dean /Director is reviewed by the Vice-Chancellor of Vidyapeeth.
- Based on the performance appraisal for a minimum of three years, the employees are considered for career progression.
- This has helped in motivating the faculty for maximizing teaching, research, output.

- The performance appraisal of the non-teaching staff of college/institutions is done by the Head of the Department in the prescribed proforma. The assessment includes general administrative ability, computer proficiency, work management quality, reliability, general intelligence, leave records, relations with superiors, industry, and applications of the concerned employee. Performance appraisal is considered for further career advancement.
- The HR Policy of the Vidyapeeth includes the relevant details.

File Description	Document
Any additional information	[View Document](#)
Link for performance appraisal policy of the institution	[View Document](#)
Link for additional information	[View Document](#)

6.4 Financial Management and Resource Mobilization

6.4.1 Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Response:

The strategies for mobilization of funds and its optimal utilization at DPU require to mention that it is a self-financing institution. Hence, the fees collected from the students for various programs and facilities/services act as the major source of income. The institution collects the fees fixed by the 'Fee Fixation Committee'. This committee is empowered to review and revise the fee structure. From this Vidyapeeth allocates the resources under various budget heads. The institutional budget is prepared by the concerned Head of the institution every year taking into consideration recurring and non-recurring expenditures. The Finance Committee recommends the budget to the Board of Management for its approval.

The main goal of the strategy for mobilization of funds is to ensure adequate funds flow for maintenance and development expenses for growth and expansion as per DPU-Vision 2025 document.

- **Additional sources of funding are:**

1. Hospital earnings, research funding from external sources and consultancy services.
2. Fees based on the unit cost of 107 programs contribute towards revenue.
3. Hospital earnings from the Medical College and Hospital which is 2000 bedded with modern diagnostic facilities. The receipts of OPD /IPD patients partly contribute to revenue.
4. The Vidyapeeth has an excellent research infrastructure available in all the colleges. There are DST /UGC /DBT/ ICMR sanctioned extra-mural research projects that also contribute to revenue.
5. MoU's signed with international universities such as Johns Hopkins, USA, Skovde University, Sweden, etc. have attracted foreign-funded projects.
6. The faculty members undertake consultancy projects from industries and conduct the clinical trials

that also support revenue generation.

7. It is envisaged to increase revenue by certificate and skill-based courses

Optimal Utilization of resources

The Vidyapeeth plans its utilization of financial resources through the Annual Budget exercise. Budget is prepared based on the actual expenditure of the previous year and proposed academic and administrative development. This budget is approved and effectively monitored by the Finance Committee and the Board of Management. The actual expenditure is done against the approved budget that is monitored by the process of internal and external audits.

File Description	Document
Link for procedures for optimal resource utilization	[View Document](#)
Link for resource mobilization policy document duly approved by BoM / Syndicate / Governing Council	[View Document](#)

6.4.2 Funds / Grants received from government / non-government bodies / philanthropists during the last five years (excluding scholarships and research grants covered under Criterion III)

Response: 1957

6.4.2.1 Total funds / Grants received from government /non- government bodies year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
993	575	328	26	35

File Description	Document
Provide the budget extract of audited statement towards Grants received from non-government bodies, individuals, philanthropist duly certified by chartered accountant and/or Finance Officer	[View Document](#)
List of government / non-Governmental bodies / philanthropists that provided the funds / grants	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Copy of letter indicating the grants/funds received by respective agency as stated in metric	[View Document](#)
Audited statements of accounts for the last five years (Refer annexure number -01 as per SOP)	[View Document](#)

6.4.3 Institution conducts internal and external financial audits regularly

Response:

Internal Audit: The DPU has a policy for Internal and External Audits duly approved by the Finance Committee and Board of Management that ensure financial transactions; pursue the controls and procedures with reasonable assurance that significant risk is being managed properly. From ordering to the final payment, the documents related to purchase, stores, cash, bank, maintenance, development passes through the hands of more than two staff which usually reduces the risk. While the documents are prepared by an accountant, they are verified and authorized by higher officials of the institution, thereby exercising control over the transaction. This also ensures that no single person has control over any transaction from beginning to end.

DPU follows pre-audit to payments procedure wherein after the document has been verified, as mentioned above it goes for audit under the hands of a Chartered Accountant. He makes sure that the transaction recorded is what was intended in the purchase order and that it is within the financial boundaries set up in the said order and proper execution has taken place with the payment instructions being properly followed. The auditor also checks that necessary confirmations and authorizations have been accorded to the documents by respective authorities of the institution. This audit continues until the transaction is completed by way of payment. Any variation identified in this process is analyzed thoroughly and necessary corrective action is suggested. The transaction is then re-audited to ensure compliance.

External Audit: The institution also follows an external financial audit mechanism. The financial statements prepared by the institution are independently audited by a firm of Chartered Accountants. The external auditor is appointed by the Board of Management on the recommendation of the Finance Committee for a period of one year and is subject to renewal thereafter upon satisfactory performance. The process takes care of the regulatory requirements of various stakeholders.

The external auditor scrutinizes the ledgers of the institution and makes inquiries in respect of transactions

recorded. After conducting the audit, they express their opinion in the form of an Audit Report and audited Financial Statements. The same is placed before the Finance Committee and BOM for its approval. For the past five years, the auditors have not made any material observations in their audit report. The auditors audit the financial statements of each of the constituent units of the Vidyapeeth and then consolidate them to provide a consolidated financial statement of the Vidyapeeth.

Vidyapeeth conducts internal and external financial audits regularly and details of the last five years for various institutions are as given:

File Description	Document
Link for policy on internal and external audit mechanisms	[View Document](#)
Link for financial audit reports for the last five years (Refer annexure number -01 as per SOP)	[View Document](#)

6.5 Internal Quality Assurance System

6.5.1 Instituion has a streamlined Internal Quality Assurance Mechanism

Response:

The Internal Quality Assurance Cell (IQAC) has been established by DPU with the aim of promoting excellence through institutional quality parameters. IQAC has contributed significantly for institutionalizing the quality assurance strategies and processes for improving the academic and administrative performance as reflected in the achievements of DPU. For internalising the quality culture based on core parameters of NAAC, necessary measures have been taken. Constitution of IQAC is as per UGC/NAAC guidelines (1st October 2009) as post accreditation initiative after DPU was accredited with 'A' grade by NAAC. The IQAC committee includes Vice-Chancellor as a Chairperson, external experts and members from constituent colleges/ institutes, students and administration.

Institution wise sub-committees have been formed. Through them IQAC collects information/data on academic and other activities that is verified by IQAC before being included in AQAR and other reports.

Major quality initiatives of the IQAC are listed below :

a)   Curriculum development :

- Inputs in curriculum design and development, CBME as per MCI and in revision of curriculum focusing POs, COs and specific learning outcomes.
- Suggestions for new programmes, value added courses, CBCS and integration of cross-cutting issues and professional ethics.
- Active role in feedback collection, analysis and relevant actions and making documents available on institutional website

b)   Teaching -learning process :

- Arranging workshops, seminars on faculty development through UCPE & FD and MEU/NEU/DEU/AEU/HETU etc.
- Monitoring learners progress, mentorship scheme and remedial actions.
- Review and suggestions for examinations and assessment
- Promoting use of ICT and training for using DPU-ERP System.
- Feedback collection about teachers.

c)   Promoting Research :

- Inputs in formulation of Board of Research and DPU Research Policy.
- Inputs in establishing Central Research facility (Molecular Diagnostic and Regenerative Medicine Laboratories).
- Awareness workshops on research, research methodology, publications and ethics.
- Supporting interdisciplinary research thorough meetings and seminars.
- Suggestions for instituting Best Researcher Award, Innovative Teaching award, Ideal Teacher Award, Young Researcher Award and Consistent Performance Award.

d)   Student support activities:

- Suggestion for instituting DPU Merit–Scholarship and PhD and Post-Doctoral Fellowships and for instituting Gold Medals and Prizes for students.
- Inputs for strengthening NSS and its activities including Unnat Bharat Abhiyan, Swachha Bharat Abhiyan, Health Awareness Camps as well as cultural and sports activities
- Awareness programs for gender sensitization, zero tolerance for ragging, human values, conduct and discipline.

e)   Governance and infrastructure development:

- Inputs in formulating DPU Vision 2025 document and framing policies (code of conduct and discipline for staff and students, Intellectual Property Rights, IT policy and in developing self-appraisal mechanism).
- Periodic conduct of Academic and Administrative Audits, its compliances and preparation of AQARs.
- Contribution in NIRF, UGC portal, ISO/GMP Certifications and NABH /NABL accreditations.
- Suggestions for conduct of Environmental/Green/Energy Audits and solid/ liquid waste management.
- Participation in Flood Disaster Management Relief work
- Facilitated formation of Incubation Centre and Innovation and Incubation Cells

f)   Green campus initiatives :

- Suggestions for Environmental, Green and Energy audits, alternate energy sources (Biogas plant and Solar energy); disposal of waste and for restricted entry of automobiles, battery-powered vehicles, plastic ban in DPU campus.

File Description	Document
Link for the structure and mechanism for Internal Quality Assurance	[View Document](#)
Link for the report on the initiatives for the appointment of a fulltime Director/Officer for the IQAC	[View Document](#)
Link for additional information	[View Document](#)
Link for the minutes of the IQAC meetings	[View Document](#)

6.5.2 Quality assurance initiatives of the Institution include: 1. Academic and Administrative Audit (AAA) and initiation   of follow-up action 2. Conferences, Seminars, Workshops on quality 3. Collaborative quality initiatives with other Institution(s) 4. Orientation programmes on quality issues for teachers   and students 5. Participation in NIRF process 6. Any other quality audit by recognized State, National or   International agencies (ISO, NABH, NABL Certification,   NBA, any other)

Response: A. All of the above

File Description	Document
Report /certificate of the Quality Assurance Initiatives as claimed by the Institutions eg: NBA, ISO, NABH, NABL, AAA etc.,	[View Document](#)
Institutional data in prescribed format	[View Document](#)
e-copies of the accreditations and certifications	[View Document](#)
Annual reports of the University	[View Document](#)
Link for AQARs prepared by IQAC.	[View Document](#)
Link for additional information	[View Document](#)

6.5.3 Impact analysis of the various initiatives carried out and used for quality improvement

Response:

The impact of initiatives:

A clear vision and mission focusing on quality has enabled DPU to earn a place amongst the top-ranked Universities in the country. The IQAC monitors performance of constituent units through sub-committees. They conduct various activities, document them and report to IQAC. These committees also help IQAC in conducting academic and administrative audits.

Feedback from stake holders is used for implementing quality enhancement initiatives. Inputs from

external agencies (NAAC, NABH, NABL), Regulatory Councils and others (AAA, ISO) are used for quality advancement. This has enabled DPU in its holistic development. Improvement in the performance through quality audits conducted as well as the achievements are as follows:

- Dr. D.Y. Patil Vidyapeeth was accorded Category-I University and Section 12B status by UGC under Graded Autonomy 2018.
- The Vidyapeeth is placed at 3rd rank (Dental), 24th (Medical), 46th (University) and 75th position (Overall) in the NIRF-2020 by MHRD, Government of India
- DPU achieved 9th rank amongst the cleanest Higher Educational Institutes in the country in the Category of Residential Universities – UGC in Swachh Campus Ranking 2019 conducted by MHRD, Government of India.
- The Constituent units increased from 7 to 9 with inclusion of Ayurved and Homeopathic Colleges under the ambit of DPU.

- There is increase in academic departments from 39 to 68 (87.1%) and programs from 73 to 119 (46.6%)
- The number of programs have increased from 73 (2014-15) to 119 (2018-19) and 82% curricula were revised.
- The student admissions also increased from 3905 to 5118 and faculty from 501 to 642.
- Declaration of results improved to less than ten days (av.5- 7.5 days)
- The infrastructure was expanded and hospital beds were increased from 1480 (2014) to 2011 (2019).
- Eighteen Modular OT's with Robotic Surgery, Renal Transplant, Liver and Corneal Transplant facilities created in Medical Hospital with unique CSSD facility.
- Human Milk Bank was upgraded to international standards.
- DPU Incubation Centre was established and 20 patents have been published and 1 US patent is granted.
- Internet Band width is increased to > 1000 Mbps, smart boards from 7 to 33, CCTV from 228 to 688, PCs from 860 to 1669.
- New auditorium, IQAC office and Vidyapeeth office have been constructed with upgradation of Library.
- Augmentation of Teaching-learning infrastructure with ICT and smart classrooms for interactivity. Learning outcomes are available to students through the DPU-ERP as also e-content developed by faculty.
- Media Centre, AV studio and Lecture recording facilities for use of e-content in learning and for learning innovations.
- Student performance is reflected in curriculum outcome analysis (pass percentage av. 95%), showing upward trend in the last 10 years.
- Establishment of central research facility, Incubation Centre and PhD/Post-Doc Fellowships and seed money resulted in start-ups, patents (20), increase in publications from in indexed journals from 1240 (2009-14) to 1619 (2014–2019), publications in high impact factor journals (Nature and Lancet), 3686 citations (Scopus) and increase in H-Index (24 to 48).
- DPU-ERP provides online administrative, financial and teaching-learning support with structured online feedback mechanism. Feedback is used to make necessary improvements.

File Description	Document
Any additional information	[View Document](#)
Link for relevant documents/information on the process and results of impact analysis on the above aspects	[View Document](#)

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Measures initiated by the institution for the promotion of gender equity during the last five years.

Response:

DPU is proactive in promoting gender equity by ensuring that both genders have equal access to knowledge and skills. The curricular and co-curricular processes for fostering gender equity are as follows:

- Equal opportunities in learning and career advancement
- Ensuring safe and secure environment
- Speedy mechanism of Grievance Redressal
- Conduct of Gender Audit and its implementation

Because of implementation of above strategies, today DPU feels proud to have nearly 57.7% staff (Teaching + Non-teaching) and 58.3% students being represented by women.
Measures to strengthen gender equity in the Curriculum are:

- Inclusion of gender equity and gender related topics in courses as given in metric 1.3.1 (e.g. MB 204, MB 301, PGM 05 etc).
- Ensuring and encouraging equal participation of female and male students in curricular and co-curricular activities
- Ethics in various courses with ethical practices in profession

1. To propagate the message of gender inclusiveness following Co-Curricular activities are conducted:

- DPU organizes its annual sports meet "URJA" and cultural extravaganza "DPU-Nite" wherein students of both genders equally exhibit their talents.
- Celebration of International Women's Day on 8thMarch on various themes like women empowerment, women's rights, opportunities for women, financial literacy, healthy and happy life, work-life balance and corporate life of women.
- To encourage Gender sensitization and equality programmes like debates, guest lectures and role plays are conducted by involving Student's Council to create safe and secure environment for women.
- Equal opportunity for career progression is given to ensure gender equity amongst teaching, hospital, administrative and security staff.

2. Annual Gender Sensitization Action Plan:

- It includes the measures and programs undertaken to promote gender equality and to make the working environment healthy.

3. Facilities provided for women include:
a. Safety and Security:

- Considering diversity, personal security of women is given top priority for safeguarding physical, intellectual and emotional well-being. For this purpose, favorable atmosphere for increased participation of women is created by encouraging and supporting them at all levels. Special emphasis has been given for providing the following facilities:
- Female security staff and bouncers (24/7) to enhance the sense of security amongst women
- CCTV surveillance of entire campus
- Internal Complaints Committees

b. Counseling:

- DPU has a full-time clinical psychologist on board for student counseling that has helped them in overcoming their personal issues and challenges.
- Mentor Mentee System ensures that the student's academic and personal problems if any are addressed in a timely manner.

c. Common Rooms:

- Separate common rooms for girls are provided with all the basic amenities in all the constituent units.

d. Day Care Centre for young children:

- Two Day Care Centers have been established by the Vidyapeeth with all essential facilities to take care of children.

e. Internal Complaints Committee:

- An Internal Complaints Committee has been constituted as per U.G.C. guidelines and acts appropriately.

File Description	Document
Any additional information	[View Document](#)
Link for specific facilities provided for women in terms of- a. Safety and security b. Counselling c. Common Rooms d. Day care center for young children e. Any other relevant information	[View Document](#)
Link for annual gender sensitization action plan	[View Document](#)
Link for additional information	[View Document](#)

7.1.2 The Institution has facilities for alternate sources of energy and energy conservation measures

   1.Solar energy

2. **Biogas plant**
3. **Wheeling to the Grid**
4. **Sensor-based energy conservation**
5. **Use of LED bulbs/ power efficient equipment**

Response: Any Four of the above

File Description	Document
Institutional data in prescribed format	[View Document](#)
Geotagged photographs of the facilities	[View Document](#)
Any additional information	[View Document](#)
Link to additional information	[View Document](#)

Other Upload Files	
1	[View Document](#)
2	[View Document](#)

7.1.3 Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within 500 words)

- **Solid waste management**
- **Liquid waste management**
- **Biomedical waste management**
- **E-waste management**
- **Waste recycling system**
- **Hazardous chemicals and radioactive waste management**

Response:

DPU has all the facilities for proper management of degradable and non-degradable waste complying with guidelines of Maharashtra Pollution Control Board (MPCB). These have been described as follows:

- **Solid waste management**

The bio- degradable solid waste of canteen and garden is composted in a vermicompost plant (40 Litre vermi-wash) installed in DPU campus. Plastic is banned as per the law enforced by Government of Maharashtra and has been strictly observed at DPU.

- **Liquid waste management**

The Vidyapeeth has four sewage treatment plants (STP) with the total capacity of 1170 m3/ day to manage the liquid waste. The treated water is recycled and used for gardening purpose and toilets. Besides this, one effluent treatment plant (ETP) with the total capacity of 50 m3/day and two water treatment plants (WTP) with total capacity of 650 m3/day, have also been installed. The liquid waste management plants have been

installed at a cost of more the Rs 65 lacs.

- **Biomedical waste management**

Biomedical waste generated in the Hospitals is disposed as per norms. The bio-hazardous waste is collected at the point of generation in prescribed colour coded bags and bins. They are segregated and stored at a specific area and is handed over every day to the common disposable facility run by the PCMC. All the Hospitals and Colleges hold updated licenses and valid contracts from MPCB, Government of Maharashtra

- **E-waste management**

Apart from awareness amongst employees and students regarding disposal of e-waste, the Vidyapeeth has executed an agreement for disposal of e-waste with J.S.Enterprises.

- **Waste recycling system**

The waste water is treated and recycled for plantation and landscaping.

- **Hazardous chemicals and radioactive waste management**

Standard protection protocols and guidelines of Atomic Energy Regulatory Board (AERB) have been followed to ensure protection from radiation. These include:

- Use of protection devices like lead apron, thyroid collar etc.
- "Thermoluminescent Dosimeter" badge is used to monitor radiation exposure. No case of over dosage has been reported in last five years.
- Lead shielding of adequate thickness has been used in order to prevent exposure to radiation.
- All the equipment and layout plan of the Department of Radio-diagnosis and Imaging are approved by AERB. A Radiation Safety Officer is appointed.
- Periodic quality assurance and radiation safety survey is conducted for all radiation generating installations. Periodic health surveillance is conducted to ensure safety of radiation workers.
- The Medical College Hospital has constituted a Radiation Safety Committee.
- Licenses of all radiology equipment in the hospital are renewed every five years as per guidelines

File Description	Document
Any additional information	[View Document](#)
Link to relevant documents like agreements/MoUs with Government and other approved agencies	[View Document](#)
Link for Geo-tagged photographs of the facilities	[View Document](#)
Link for additional informaton	[View Document](#)

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7.1.4 Water conservation facilities available in the Institution:

1. **Rain water harvesting**
2. **Borewell /Open well recharge**
3. **Construction of tanks and bunds**
4. **Waste water recycling**
5. **Maintenance of water bodies and distribution system in the campus**

Response: All of the above

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document
Link for additional informational	View Document
Geotagged photographs / videos of the facilities	View Document

7.1.5 Green campus initiatives include:

1. **Restricted entry of automobiles**
2. **Battery-powered vehicles**
3. **Pedestrian-friendly pathways**
4. **Ban on use of Plastics**
5. **Landscaping with trees and plants**

Response: All of the above

File Description	Document
Institutional data in prescribed format	View Document
Any additional informatiom	View Document
Geotagged photos / videos of the facilities	View Document
Link to additional information	View Document

7.1.6 Quality audits on environment and energy regularly undertaken by the Institution and any awards received for such green campus initiatives:

- **Green audit**
- **Energy audit**
- **Environment audit**
- **Clean and green campus recognitions / awards**
- **Beyond the campus environmental promotion activities**

Response: Any Four of the above

File Description	Document
Institutional data in prescribed format	[View Document](#)
Any additional information	[View Document](#)
Audit reports of the institution related to the metric	[View Document](#)
Link for additional information	[View Document](#)

7.1.7 The Institution has disabled-friendly, barrier free environment

- **Built environment with ramps/lifts for easy access to classrooms.**
- **Disabled-friendly washrooms**
- **Signage including tactile path, lights, display boards and signposts**
- **Assistive technology and facilities for persons with disabilities (** *Divyangjan* **) accessible website, screen-reading software, mechanized equipment**
- **Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading**

Response: All of the above

File Description	Document
Institutional data in prescribed format	[View Document](#)
Additional information	[View Document](#)
Link for relevant geotagged photographs / videos	[View Document](#)
Link for additional information	[View Document](#)

7.1.8 Describe the institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 500 words)

Response:

DPU caters to the needs of students coming from diverse cultural, regional, linguistic and socio-economic backgrounds. The Vidyapeeth offers all-inclusive and favourable learning environment to the students by a team of committed faculty and administrative staff. DPU believes in the all-round development of the students by providing a harmonious and tolerant atmosphere to enable them to tap their own endless potential to achieve greater heights of success.

DPU believes in the concept of "Unity in Diversity". Approximately 39 % students are from other states of India. Hence the Vidyapeeth has made efforts to offer them with inclusive environment that integrates them into the socio-cultural ethos of Maharashtra and the city of Pune.

The efforts of DPU to extend an all-encompassing environment through festivals, observing holidays honouring faiths, cultural and sport related activities organized by various constituent units. The students participate in organizing cultural events representing various states of India like traditional day, valentine day, friendship day, rose day, chocolate day, celebration of new year, participating in programmes of National Days, NSS activities related to walkathon, run for unity, National Youth Day, Science Day and celebrating birthdays (students) in accord with their respective culture.

- Participation in "**Co-curricular activities"**: Students are encouraged to participate in a variety of co-curricular activities like debates, quiz competitions and field trips. They are encouraged to participate in health check-up camps regularly organized in urban and rural health centres of DPU. These camps help to widen the horizon of the students and promote tolerance and understanding of local customs amongst the students
- Participation in "**Extra-curricular activities"**: Participation of students in a variety of sports and cultural activities like "URJA" and "DPU-Nite" organized by the Vidyapeeth is encouraged. The students organize a variety of cultural programmes showcasing the rich and diverse culture of India helping to build a sense of team spirit and harmony amongst them
- **Celebration of Festivals** like Ganesh-Utsav, Dussera, Dhanvantari Pooja, Diwali, Navratri, Saraswati Puja, Holi, Christmas etc. with active participation of students and staff help to promote coherence amongst all.
- **Local Language Classes** are conducted for students from other states of India and from other countries to make sure ease of communication with patients and local society.
- The Vidyapeeth has constituted a number of statutory committees as per UGC regulations like Gender Sensitization; Anti-Discrimination; Anti-Ragging; OBC; Minority; Grievance; Internal Complaints to ensure that all guidelines are followed and grievance if any is attended quickly.
- DPU has actively promoted and propagated Marathi language by hosting the 89th Akhil Bharatiya Marathi Sahitya Sammelan from 15th to 18th January 2016 and donating Rs 15 lakhs for furthering the cause of the language in the field of education. The entire contribution collected from the event was donated to NAAM Foundation that helps families of deceased farmers. A Chair for Marathi language has been instituted at DPU.
- DPU contributes to the wellbeing of pilgrims undertaking the annual "Pandharpur Yatra" by organizing medical camps, distributing food and other essentials to the warkaris.

File Description	Document
Link to supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	[View Document](#)
Link for additional information	[View Document](#)

7.1.9 Sensitization of students and employees of the institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

Response:

Yes, DPU has taken proactive steps towards inculcating values amongst the students and staff. To make

them responsible citizens of India sense of values, rights and duties are being instilled in them through various activities. The philosophy of DPU is to demonstrate unity in diversity of its students and faculty by providing opportunities to participate and celebrate commemorative and national days of importance. This helps in strengthening spirit of nationalism and inculcates the values in terms of honoring and paying respect to legendary personalities of India like Mahatma Gandhi, Pandit Jawaharlal Nehru, Dr. Babasaheb Ambedkar, Sardar Vallabhai Patel and many others. The ideals taught by them like truth and non- violence, equality, equity and inclusiveness are thus instilled in the young minds that helps in strengthening the roots of democracy.

The various activities to sensitize the students and staff towards their constitutional obligations include:

- **Celebration of important National Days** like Independence Day and Republic Day makes each student and staff to feel proud as a citizen of India
- Being a Health Sciences University, DPU lays great emphasis on instilling ethics amongst the students. A sense of ethical values and responsibility towards the patient and the public is always emphasized. Teaching of ethics is an integral part of the DPU curriculum.
- Establishment of **Bioethics Chair** in collaboration with UNESCO Bioethics Chair, University of Haifa has played an important role in spreading bioethics principles of practice amongst the staff and students. Bioethics has been integrated into the curriculum of the constituent units under DPU. In addition to this Bioethics related activities such as Organ donation, Blood donation and Body donation awareness campaigns are organized
- DPU always encourages active student participation in co-curricular activities like health camps, street plays to spread awareness about values, rights, duties and responsibilities. Through NSS unit and Unnat Bharat Abhiyan linked pursuits the students get an opportunity to work in rural and urban areas and become more aware about the health needs of the people. An insight developed through these activities make the students more conscious about their rights and duties towards their fellow countrymen.
- For progression of universal values like Unity, Truth, Righteousness, Conduct, Love, Non-Violence and Peace the constituent units organize guest lectures and yoga sessions.
- **Voters awareness campaign**: DPU has considerable number of young student population who are eligible as first-time voters for performing voting rights during elections. Considering this voter awareness campaign is organized as part of NSS activities. This awareness campaign has helped in sensitizing the students towards fulfilling their constitutional obligations.

File Description	Document
Any additional information	[View Document](#)
Link to details of activities that inculcate values, necessary to render students in to responsible citizens	[View Document](#)
Link additional information	[View Document](#)

7.1.10 The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard.

1. **The Code of conduct is displayed on the website**
2. **There is a committee to monitor adherence to the code of conduct**
3. **Institution organizes professional ethics programmes for students, teachers, administrators and other staff**
4. **Annual awareness programmes on code of conduct are organized**

Response: All of the above

File Description	Document
Institutional data in prescribed format	[View Document](#)
Institutional code of conduct and code of ethics	[View Document](#)
Details of the monitoring committee of the code of conduct	[View Document](#)

Link for additional	[View Document](#)
Weblink of the code of conduct	[View Document](#)

7.1.11 Institution celebrates / organizes national and international commemorative days, events and festivals

Response:

Yes, DPU organizes a number of events to mark important National and International Commemorative Days. These events help to inculcate spirit of nationalism and international brotherhood amongst the students and infuse them with a sense of responsibility towards society, nation and the world at large. Some of the important commemorative days celebrated every year include:

- **Republic Day and Independence Day** is celebrated annually by DPU Family at Vidyapeeth Campus. Various cultural activities are performed as a tribute to India, its unity, diversity and rich cultural heritage. This helps in inculcating national pride as an Indian citizen
- Celebration of **World Health Day** on 7th April every year on the theme of the World Health Organization. A number of activities like Seminars, Health awareness camps, Guest Lectures, Street Plays and other endeavors are organized to commemorate the day
- **World AID's Day** is celebrated on 1st December every year with active participation of students and staff. Activities like rallies, street plays etc. are organized to create awareness about AIDS amongst the public
- **International Yoga Day** is celebrated with staff, students and citizens participating actively in Yoga sessions. Seminars and Guest lectures are organized on the benefits of Yoga. DPU is taking active efforts to popularize yoga among school children and masses
- **International Women's Day** is celebrated every year on 8th March and to observe this day various activities are conducted. Renowned women personalities are invited for felicitation and sharing their experiences to inspire DPU family members. Women empowerment programs are organized on this occasion.
- **Teacher's Day Celebration:** September 5th has been celebrated every year as Teacher's Day. On this occasion outstanding teachers are felicitated by honoring them with awards such as "DPU

Research Award", "Dr. P. D. Patil Young Researcher Award" and "Innovative Teaching Award" "Consistent Performance Award" and "Ideal Teacher Award" by Vidyapeeth. The class topper students are rewarded by giving appreciation certificates and cash prizes.

- A number of important health related days like World Cancer Day, World Disabled Day, World TB Day, World Alzheimer's Day, World Heart Day, World Diabetes Day and World Ayurveda Day are being organized annually. On these days a number of events like seminars, exhibitions, street plays are organized to sensitize the students and society.
- In 2018 DPU created a record in Guinness book by checking maximum number of hypertensive patients in one hour on the occasion of World Heart Day.

File Description	Document
Link for Geo-tagged photographs of some of the events	[View Document](#)
Link for annual report of the celebrations and commemorative events for the last five years	[View Document](#)
Link for additional information	[View Document](#)

7.2 Best Practices

7.2.1 Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

Response:

Best Practice 1

1. **Title of the Practice**

DPU inventiveness to hearten research excellence for sustenance of quality by faculty and students

2. **Objectives of the Practice**

- To develop an ecosystem for conscious, consistent and catalytic action to improve research performance and enhance research capabilities of DPU
- To create research-oriented teaching-learning process acquiescent to changing health scenario by manifestly aligning faculty and students.
- To help achieve national health objectives by undertaking innovative and socially relevant research in health sciences.

3. **The Context**

- Health science research has high value to society because it provides important information about

disease trends, risk factors, public health interventions and health care costs. It is a multidisciplinary field that aims to improve health status and quality of care by conducting research and searching for solutions.

- Regulatory bodies have also emphasized the need to undertake interdisciplinary research to search for innovation-based solutions to overcome health issues in India.

- Considering this background, DPU being multi-faculty Health Sciences Vidyapeeth has given high priority to research amongst faculty and students

- DPU has systematically developed a proactive research strategy. Supportive leadership was provided to enhance research output to place DPU on a global map in view of WHO mission to fight against new form of diseases such as Coronavirus.

Systematic development of research culture at DPU

Strategic Intiatives

Systematic Approach

Research Promotion by Funding
- DPU funding ; seed money 779 lakhs in last 10 years
- External funding ; DST, DBT, DBT - BIRAC, CSIR, WHO, ICMR, NIH, ITI, SIDA
- "DPU-Business Management Entrepreneurship Support Scheme"
- DPU Incentives; Career Promotion
- DPU Research Awards
- Certificate of Appreciation

Research Projects 291

Publications 5607

Patents 20

DPU

- Board of Research Studies
- Registered DPU Ethics Committee
- Research and Recognition Committees
- Research Policy
- IPR and Consultancy Policies
- Incubation Center

Research Infrastructure
Established Central Research Facility
- Molecular Diagnostic Laboratory
- Regenerative Medicine Laboratory
- Microbial Diversity Research Centre
Learning resources
E-databases SCOPUS, EBSCO-HOST. J-GATE

DPU Organizes Workshops/Seminars
- Research Methodology and Biostatics
- Research Ethics
- Intellectual Property Rights[IPR]
- Clinical Operational Research
- Research Grant Writing
- Industry Academia Collaborations

International And National
- Collaborations: 469
- MoUs; 88

Significant Growth in Research Output

A GLIMPSE OF DPU RESEARCH POLICIES AND CREDENTIALS

4. **The Practice**:

In order to develop and nurture research culture systematic steps were taken to formulate Research Policy, establish Councils and Committees, identify Thrust areas and evolve strategy for promoting research

Formulation of Research Policy:

As a first step, well thought research policy was developed with the inputs from experts. The policy was recommended by Board of Research and approved by Board of Management. Besides research policy, Intellectual Property Rights (IPR) and Consultancy Policies were also formed and placed on website. *(Appendix 1)*

Establishment of various Councils/Committees/Cells:

In order to make sure that the faculty and students unequivocally participate in research activities various committees, councils and cells were formed following participatory approach. At DPU level Internal Quality Assurance Cell (IQAC), Board of Research, Ethics Committee and Incubation Centre were established. At each constituent unit Innovation Councils, Innovation and Incubation Cells and/or Incubation and Entrepreneurship Cells were formed. At Department level Publications Guidelines Committees were constituted to review draft of research article, check plagiarism and scrutinize project proposals for funding from extramural agencies etc. (*Appendix 2*)

Identification of Thrust Areas:

Thrust areas were identified by considering health as a fundamental right and hence health professionals must reduce global and national disease burden. The thrust areas of research were aligned with global, national, regional and local level relevance for improving quality of life. Based on above considerations and provisions made in Research Policy and Vision-2025 document besides inputs from external members the following thrust areas were identified.
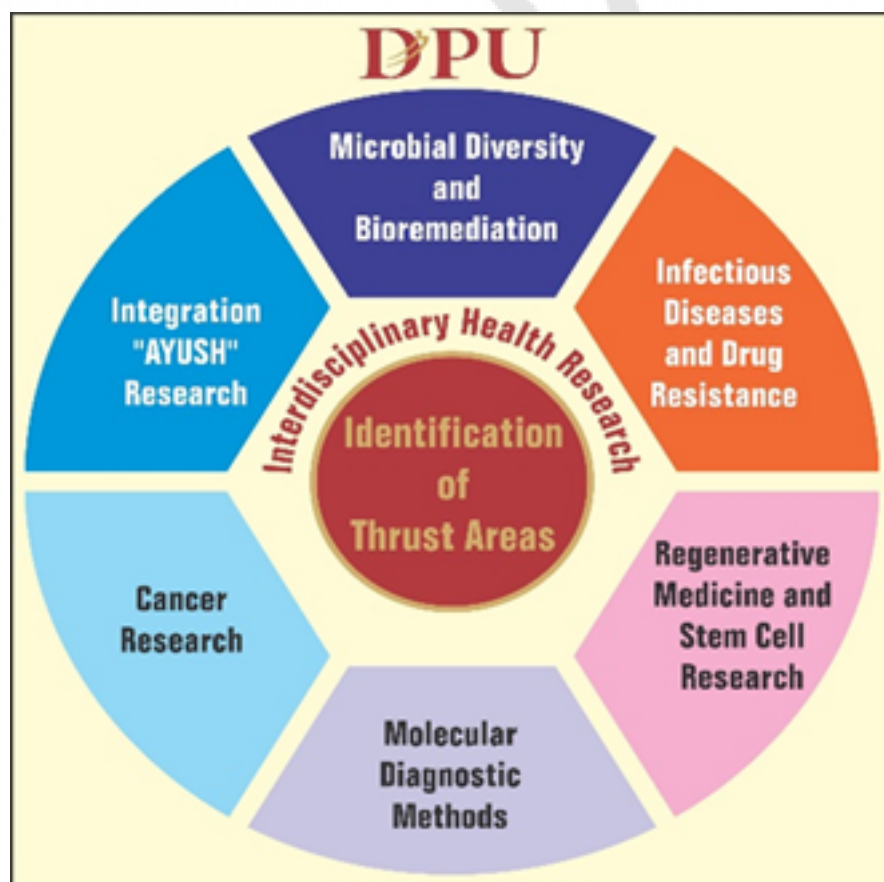
Strategy for promotion of research:

Several initiatives were taken by DPU for promotion of research culture. Attracting faculty towards research was a challenging task due to clinical and teaching activities. Hence, DPU took multi-fold steps to hearten research activity.

- Training and awareness workshops
- Forming Interdisciplinary Research Consortium
- Creation of Central Research Facility
- Provision of funding for research
- Incentives for research and Research Fellowships

Several awareness and training workshops covering themes like writing research articles, research proposals, IPR etc were organised. Director-Research and Director-Interdisciplinary Research were assigned the responsibility of regularly monitoring the research activities and persuading the faculty to undertake interdisciplinary research.

The Central Research Facility including molecular diagnostics and regenerative medicine laboratories besides microbial diversity centre were established.

Seed money was provided to the faculty for supporting research proposals thus spending Rs. 779 lakhs by DPU over the last 10 years for the cause of research. Several incentives were given to faculty and students such as:

- Support for conference, travel grants and sabbatical leave
- Cash prize and appreciation certificate for receiving awards and for publications
- Funding for filing patents and fees waiver for in-house PhD scholars
- PhD and Post Doctoral Fellowships and stipend to MD/MS/MDS/M. Tech/MBA/MPT students
- Best Researcher Award, Dr. P. D. Patil Young Researcher Award, Consistent Performance Award, Certificate of Appreciation and career promotion

5. **Evidence of Success**

The success of DPU in establishing strong research credentials and a vibrant research culture are evidenced by progressive increase in number of publications, enhanced bibliometrics, receipt of external funding, continuing collaborations and development of new collaborations with world class universities.

1) External Funding of more than Rs. 10 crores is received from National and International agencies. DST-FIST grant of Rs.90 Lakhs is received for research infrastructure development. New proposals for external funding (>Rs. 5 cr.) have been submitted to national agencies including DST, DBT, ICMR and UGC. Completed 127 ICMR-STS projects (Rs.12.7 lakh) by the students and Rs. 136.59 lakhs generated from research consultancy. Received two megaprojects under DPU-JHU(USA) collaborative activities funded by NIH (USA) and Swedish Council of Higher Education supported Lineus Palme scheme of faculty and student exchange between DPU and Skovde University, Sweden.

2) Patents, publications and awards:

- 14 Patents published, five patents filed and one patent is granted (*Appendix 3*)

- Faculty have authored 1910 research publications (5 years) and 3541 (10 years)(*Appendix 4*)

- Quality of Publications has steadily improved as evidenced by increase in Indexed publications from 2009 to 2018.
- Publications in high impact factor journals have substantially increased (Lancet, Springer-Nature, Cell Science) with a total of 990 in SCOPUS, 730 in Web of Science and 936 in Pub Med.
- Average citation Index is 3.46 (per article) and H-Index is appreciably enhanced up to 47

- Faculty received 33 research awards/recognitions including BIRAC through the BIRAC-GYTI awards for innovation/discoveries. *(Appendix 5)*

RESEARCH OUTPUT :

Year wise Publications Trend (Pub Med/Scopus/WoS/Google Scholar & ICI)
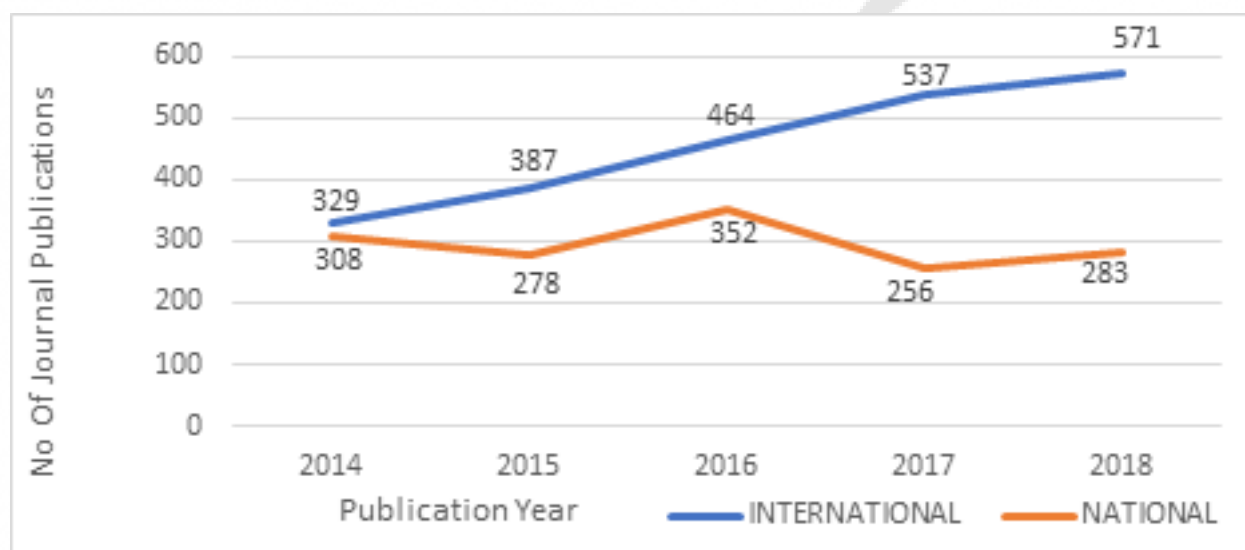
Publication Trend: 2009-2013 and 2014-2018
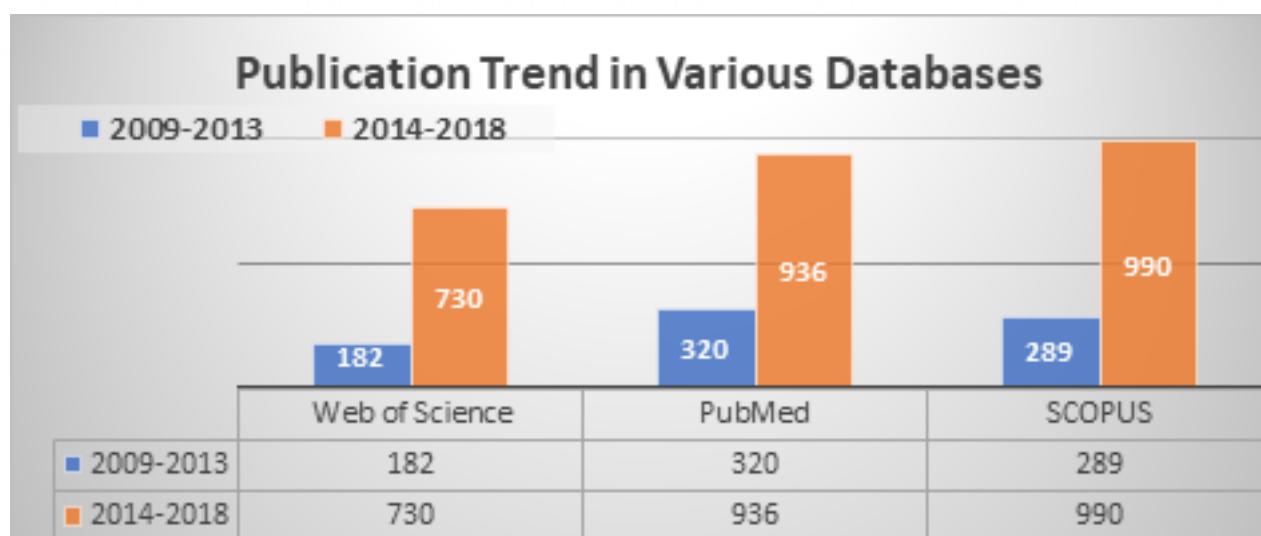
Quality of Publications: SCOPUS h-Index

SCOPUS h-Index
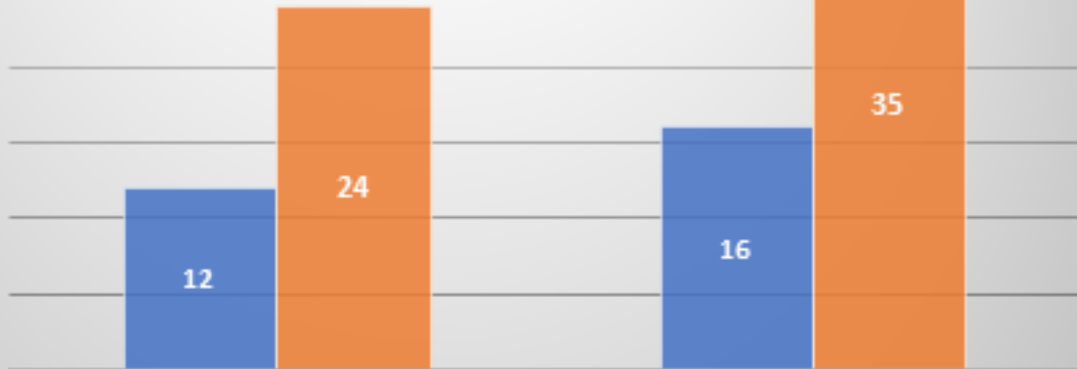
Legend: ■ 2009-2013 ■ 2014-2018

	Assessment Period	Overall Period
■ 2009-2013	12	16
■ 2014-2018	24	35

Quality of Publications: Citation Index

Citations in Various Databases
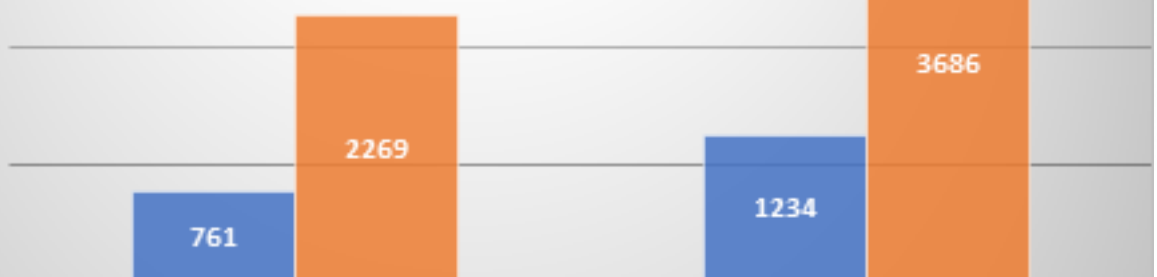
Legend: ■ 2009-2013 ■ 2014-2018

	Web of Science	SCOPUS
■ 2009-2013	761	1234
■ 2014-2018	2269	3686

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NIRF Publication Trend Analysis

	Web of Science Publications	Web of Science Citations	SCOPUS Publications	SCOPUS Citations
■ NIRF - 2019	434	1160	517	1714
■ NIRF - 2020	449	3214	539	4697
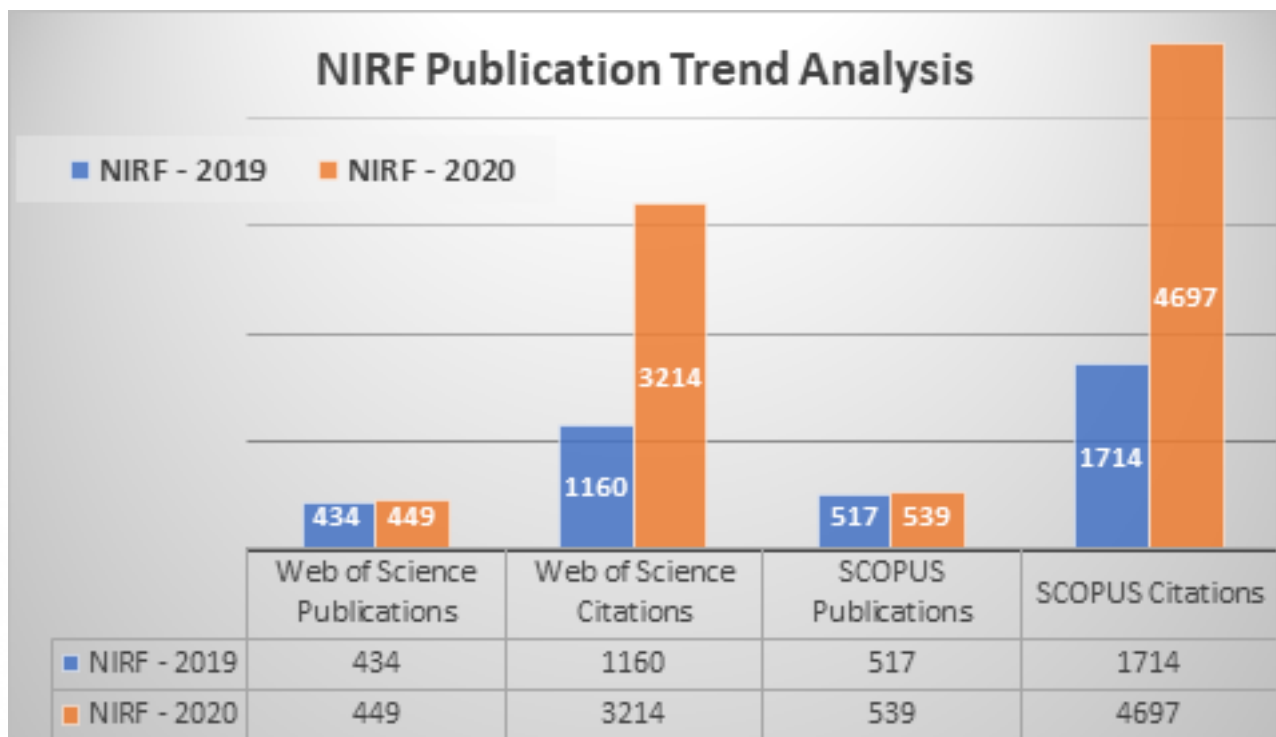
6.**Problems Encountered and Resources Required**

- DPU is a self-financed institution hence less opportunities for government funding however continued funding is a must for sustainability.
- As a Health Science University, there is time constraint for participation in research by clinicians due to IPD/OPD patients.
- Limited participation in interdisciplinary research by Homeopathy, Ayurved and Nursing faculties.
- Absence of other faculties like science, social science, pharmacy and engineering limiting the scope of interfaculty publications.

Best Practice – 2

1.Title of the Practice:

"Yashoda" Advanced Human Milk Bank (YAHMB) and Comprehensive Lactation Management, Training and Research Center (CLMTRC)– *A Unique Model for Improving Neonatal Care and Health Outcomes in the Community*

2.Objectives of the Practice

- To provide hospital-based safe Donor Human Milk (DHM) (as an alternative to mother's own milk) for sick and needy newborns.
- To promote exclusive breast-feeding and human milk banking (HMB) as a successful strategy for improving neonatal survival by
- Developing knowledge, skills and attitude regarding HMB practices amongst students and health professionals through education, training and research

- Increasing awareness and emphasizing importance of HMB in society through community initiatives
- Providing counselling services for exclusive breast feeding as well as donation of milk for HMB
- To share the DPU HMB experience with National and International academic community

3.The Context

- In India, 0.76 million neonates die every year (State of newborn Health in India, MJ Sankar et al, Journal of Perinatology 2016-36, S3-S8), the highest for any country in the world. The United Nations (UN) has given top priority to reducing neonatal mortality rate (NMR) due to preventable causes (UN Sustainable Development Goals, 2030).

- Human milk provides optimal nutrition and protection from illness to a newborn. Improving breast-feeding practices is an important intervention of the National Health Mission (NHM), Ministry of Health and Family Welfare, Government of India
- WHO and UNICEF affirm that when breast feeding is not possible, especially in sick newborns admitted in Neonatal Intensive Care Units (NICU), expressed mother's milk or pasteurized donor human milk (DHM), considered as "Liquid Gold", because of its powerful benefits it provides to the newborn and yellowish appearance, is superior to formula feeds and should be the first alternative. Research evidence also supports effectiveness of DHM on reducing NMR.
- Thus DHM banks are key to reducing preventable neonatal deaths. However, in India, though much needed, they are relatively few

4.The Practice:

The YASHODA Advanced Human Milk Bank (YAHMB) was established on 7th September 2013 at Dr. D.Y.Patil Medical College, Hospital and Research Centre, Pimpri, Pune (DYPMCHRC). It is the first and only human milk bank in the Pimpri-Chinchwad Municipal Corporation (PCMC) region, an area with several hospitals having NICUs admitting significant number of sick neonates. It is also the first Human Milk Bank to be created in a private medical college in India.

YAHMB has established itself as a Centre of Excellence at regional, national and international level for multidisciplinary teaching and training to **promote breast feeding practices and Human Milk Banking (HMB) in the community.**

1. **Milk Processing and Distribution Services to NICU's:**

- Milk processing protocols are based on Government of India CLMTRC guidelines (2017) and followed strictly. The Centre is manned by qualified and trained staff along with Professor of Paediatrics, a National Level expert.
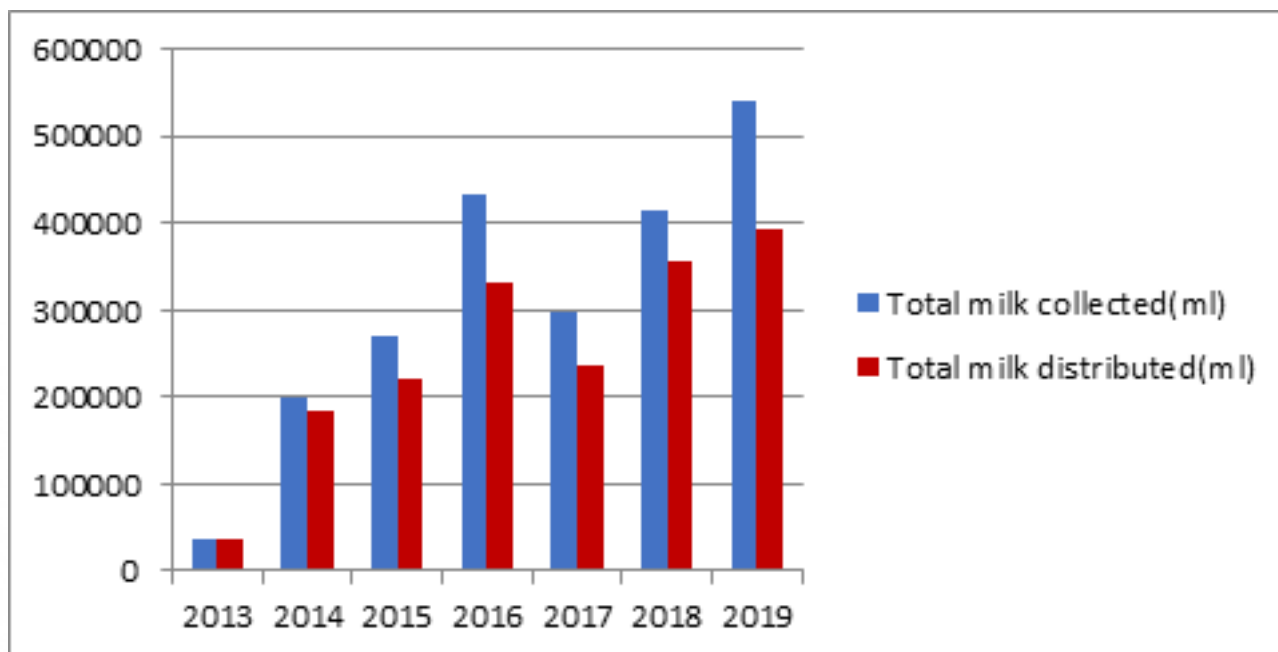
Figure 1
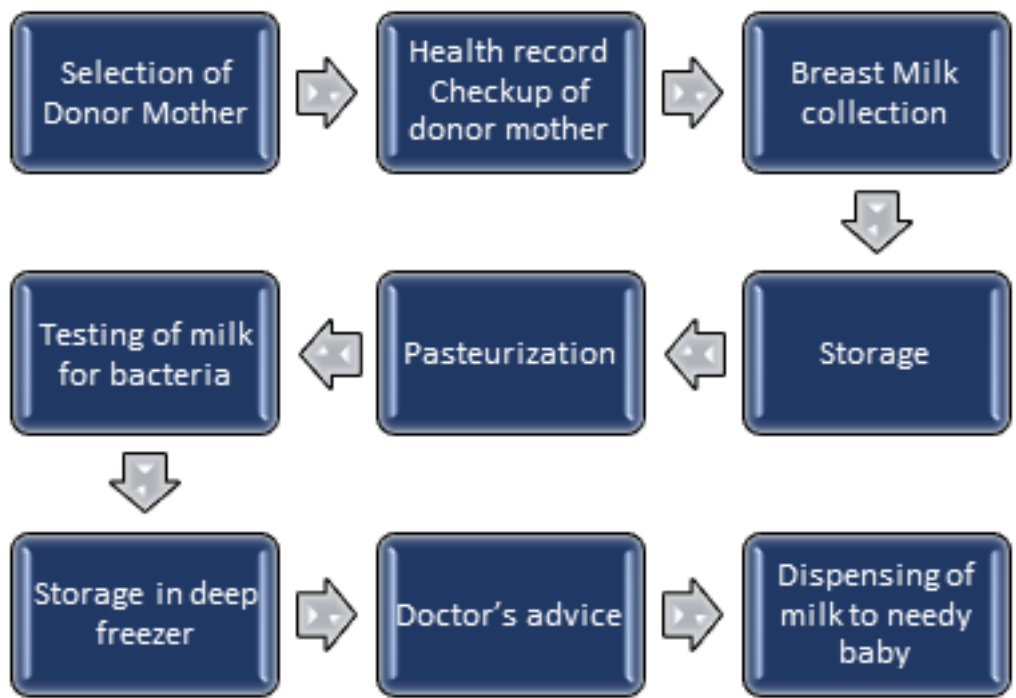
- Average monthly collection is about 30 litres DHM, with 25 litres distribution.

Figure 2 : Year wise pattern of donors and beneficiaries
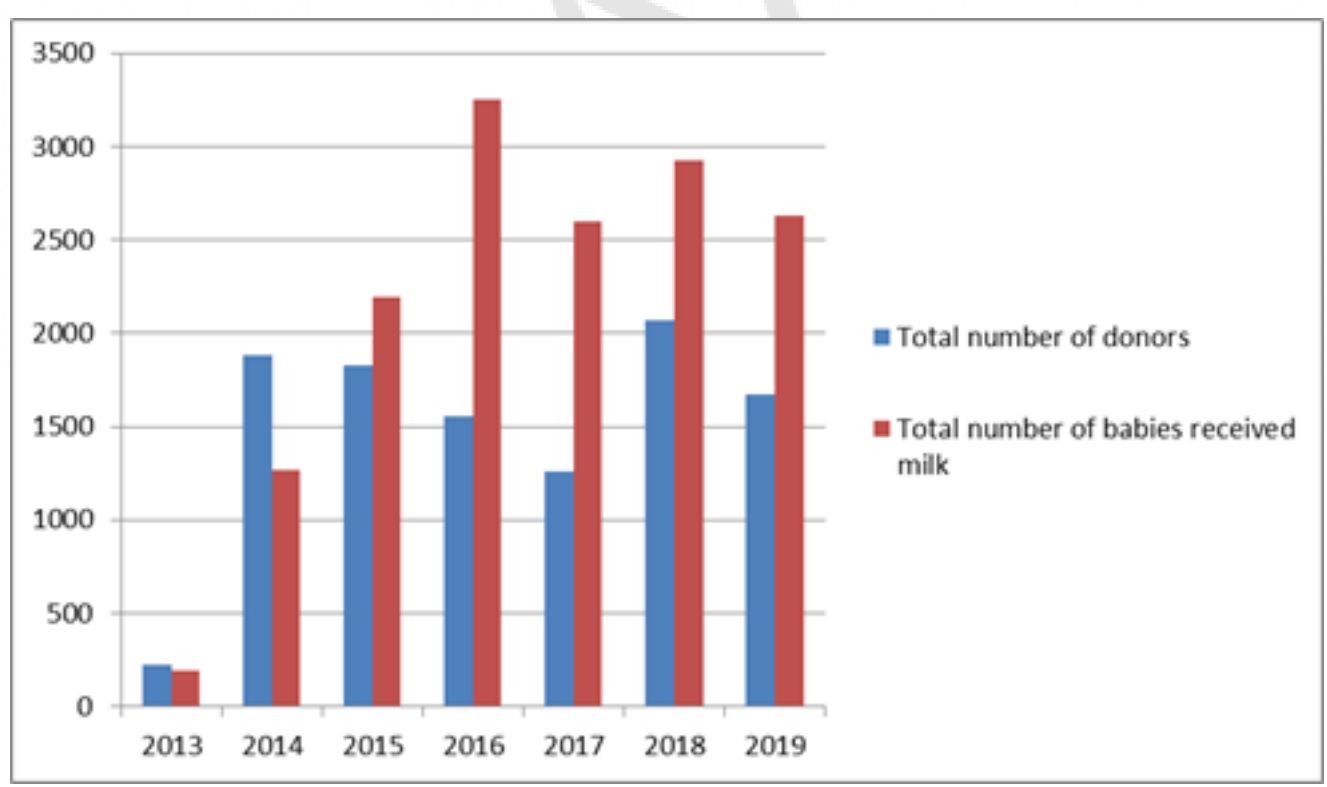
- Besides providing human milk to newborns in DYPMCHRC the YAHMB also serves NICUs of several hospitals of Pune Metropolitan Region free of cost, 24 X 7.

Figure 3: Total Collection and Distribution of Mother's Milk

1. **Activities to promote exclusive breast feeding and Human Milk Banking**

- **Comprehensive Lactation Management interdisciplinary curriculum** for medical, nursing, ayurveda and physiotherapy undergraduates and postgraduates (paediatrics, obstetrics/ gynaecology and community medicine) consisting of lectures, demonstrations, skills-building, bedside-clinics, rotations in post-natal wards, HMB, Lactation Clinic and community.
- **Lactation Clinic** for **counselling ante-natal and post-natal mothers** regarding human milk benefits, exclusive breast feeding and milk donation.
- **Annual Breast-Feeding Week Celebrations** with Poster-Presentations, Essay Competition, Role-plays, Workshops and Guest Lectures
- **Training of Anganwadi sevikas** for community awareness and outreach.

- **Training of staff from other institutions to promote breast feeding and** establishing HMB Services.
- **Organizing programmes to enhance public awareness** in collaboration with Anganwadis and NGOs (Rotary, Lions Club and Sneh Foundation)
- **Appreciation of Donor mothers** during Breast Feeding Week celebrations by awarding "Amrut Sanman" to all donor mothers; some mothers volunteer into "Mother Support Group."
- **Hosted First International Conference on Human Milk Banking** -10th& 11th April 2015.

1. **Research contribution to national and world literature on HMB**

- Human Milk Banking and its effect on Immediate neonatal Morbidity, Mortality and Duration of Hospital stay (ICMR- STS Project)
- Effect of Human Milk Banking on Neonates in Tertiary Care
- Study of Stem Cells in Human Milk
- Study of Macronutrients in Human Milk

5.Evidence of Success

1. **Improved Neonatal Care**

1. The ICMR-STS Study demonstrated a 24% reduction in neonatal sepsis and 20% reduction in hyperbilirubinemia since establishment of YAHMB.
2. Reduction in NICU cases of Necrotizing enterocolitis (NEC)/Sepsis and NICU readmission rates
3. No post-partum mastitis in mothers

Many mothers of twins/triplets helped with lactation support had successful exclusive breastfeeding for six months

1. DHM has benefitted mothers referred for breast abscess, severe mastitis, infectious diseases (HIV & Hepatitis B) and receiving anti-psychotic treatment

B. National/International Presentations:

- "Experience of Human Milk Banking in a Tertiary Care Centre of a Private Medical College Hospital in India": IIIrd International Congress of European Milk Bank Association (EMBA) 2015, Lyon,France.
- Paper Presented at Infant Young Child Nutrition Conference and Human Milk Bank Conference, Belgaum 2018
- "Effect of Human Milk Banking on Neonates"- paper presented at MEDIACE Conference, Pune

C. Awards and Recognition:

- World Breast Feeding Week celebrations: awarded by World Alliance for Breast Feeding Action (WABA) and Breast-Feeding Promotion of India (BPNI)

- Wide coverage of activities in press and media
- Collaborative MOU with Rotary Club, Nigdi Pune for continued support from Global grant of Rotary Club International.
- Mobile milk van donation by Rotary Club, Nigdi

6.Problems Encountered and Resources Required

- Creating awareness and sensitizing health professionals and community was the biggest challenge while establishing the HMB. Paediatricians and Obstetricians must encourage milk donation and use of DHM along with efforts to establish HMB at their hospitals/institutions.
- The establishment of HMB requires space, specialized equipment and trained manpower. Both initial cost and running expenses are high. This could be accomplished only due to strong support from the management of DPU.

- There is a huge scope to motivate mothers having excess milk for donation. Mothers of needy neonates must be counselled regarding value of DHM over formula feeds.
- DPU being a self-financing institution, established this facility from its own financial resources, supported by Rotary Club of Nigdi-Pune and Global Grant of Rotary International.
- Services are offered free of cost; however, maintenance cost and overhead expenses are necessary

for long term sustainability

1. **Notes (Optional)**

- Recognizing national and global challenge of high neonatal deaths, DPU took the lead in establishing YAHMB as a successful model that **is serving the society by way of lowering the neonatal morbidity and mortality in the region.**

- **Emulating such practices nationally will reduce the disease burden and costs of healthcare in India.** To improve neonatal outcomes substantially, institutions must establish similar HMBs. DPU is already imparting training to interested institutions.

- To improve neonatal outcomes, it is mandatory for students to learn the required skills and competencies for practice.

- Due to the cost involved, provision of funding by government for this initiative to both public and private sector hospitals, particularly teaching hospitals will make it a sustainable initiative

- Research funding must be made available as it is an area of high research potential both in laboratory as well as community due to scarcity of National data.

File Description	Document
Link of the best practices in the Institutional web site	[View Document](#)
Link for additional information	[View Document](#)

7.3 Institutional Distinctiveness

7.3.1 Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

Response:

DPU has undertaken several initiatives, some of which can be considered as distinctive features. These

include:

- DPU as a solar-powered campus
- Multi-organ transplant facility
- MRI Services (3 Tesla) in Radiology
- Central Sterilization Service Department (CSSD)
- Ultra-modern DPU Learning Resource Centre
- Provision of Seed money for research
- In-house development of ERP and HMIS
- 30 modular Operation Theatres & 4th Generation Da Vinci Robot for Robotic surgery
- DPU Merit Scholarship scheme for students

Although it is not possible to give a detailed account of all these distinctive features, the key area of priority and thrust for DPU is the development of a Solar-Powered Campus that is described in detail:

DPU Initiatives towards a Solar-Powered Campus

INTRODUCTION:

Non-conventional energy resources have assumed greater significance in recent times because of the ill-effects of conventional energy (oil and coal) on the environment and human health. According to National Renewable Energy Laboratory, the USA "more energy from the sun falls on the earth in one hour than is used by everyone in the world in one year." It is projected that by 2050, solar energy would be the world's largest source of electricity led by India and China. India is endowed with abundant solar radiation equivalent to > 5000 trillion kWh/year which has the potential to be harnessed into solar power.

RATIONALE FOR THE ACTIVITY

In 2015 the Government of India publicized an initiative to increase the solar capacity to 100 GW by 2022. At that time, the capacity in India was 2.5 GW only. Considering the enormous task before the government, it becomes the responsibility of every person and all institutions to contribute towards the achievement of this national goal.

To contribute to this important national endeavor, DPU has taken the lead to harness this tremendous energy resource that we have the good fortune to be endowed with.

THE MAKING OF A SOLAR POWERED CAMPUS:

DPU has successfully initiated a massive drive for providing alternative energy by way of setting up a solar power generation facility. This project was executed as follows:

i. Installation of the Solar Energy System:

- The process of setting up the solar power plant started with a Site Survey of open areas in all buildings on campus to assess the suitability of rooftops and other potential sites for the installation of solar panels
- Using shadow analyzing software, the suitable areas in all the buildings were identified. Care was taken that shadow does not fall on solar panel and this was achieved with the help of shadow

analyzing software.

- In shadow areas, a raised structure was fabricated for the installation of solar panels
- The solar panels were installed along with hardware, electrical system with the complete panel, cable connections followed by net-metering, earthing, lightening-arrester and bi-directional meter
- The entire solar power plant consists of 6000 solar panels (Polycrystalline Renewsys 320WP Solar panels) with efficient K-star Inverters
- Production and consumption is monitored by an online monitoring system.

ii.Power Generation: A total of about *1776.32 KW solar power* is generated by the Solar Power Plant which caters to the needs of DPU and constituent units.

- Of this, 980.16 KW is generated by the Solar-Power System in Medical College and caters to Medical and Dental Colleges besides hospitals and hostels.
- The Ayurveda College Solar-Power system generates 477.44 KW and fulfils the energy needs of Ayurveda, Homoeopathy, Physiotherapy, Nursing colleges, and staff quarters
- At Tathawade 318.72KW solar power is generated to meet the energy needs of Global Business School and Research Centre and Institute of Biotechnology and Bio-informatics

iii. **Maintenance:**

- Daily maintenance by cleaning of solar panels is done with a high jet pressure machine
- Online monitoring plus daily on-site meter-reading is done. Every month-end solar energy meter-reading and MSEB meter-reading are taken and the difference in reading is calculated.

iv. **Wheeling to the Grid**: 1776.16 KW solar power generated from the solar power system is wheeled to the Grid. Adequate solar power generated has led to saving in electrical units consumed.

v. **Energy Conservation Practices**:

- Solar water heaters have been provided in all hostels and staff-quarters.
- Solar Powered energy-saving LED bulbs are extensively used on campus and in all constituent units.
- All street-lights are fitted with solar-powered LED lights. In all 36480 LED, tube-lights and bulbs are installed across the campus
- Additional energy-saving practices serve to enhance the green footprint of DPU
- The provision of Master switches in all classrooms avoids wastage of power.
- Construction of eco-friendly buildings with the provision of natural light and ventilation reduces the consumption of electrical energy during the day-time.
- An energy audit is done to identify ways to save electricity and minimize energy wastage and inefficient forms of energy use.
- Microwave Radar Motion Sensor-based energy conservation system is installed in common passages, lobby areas, washrooms, and library
- Battery Operated cars are used on the campus

OUTCOMES ACHIEVED:

- With the Solar-Power Initiative DPU has taken a major step towards becoming self-sustaining in electricity generation and consumption

- It has enabled DPU to make a major contribution to an important National Initiative
- DPUs Solar-Power System is a role model for other educational institutions to learn and implement.
- It is an exemplary model for all students, who can emulate it in their own professional enterprises as well as home environment

The ultimate aim is to achieve 100% self-sustainability and spread education regarding Solar Power generation to the community

CONCLUDING REMARKS:

- DPU is proud to have made its distinctive contribution towards achieving the national goal of energy conservation and sustainability.
- Presently the National Solar Mission is the world's third-fastest expanding solar power program. DPU endeavors to continue making its contribution towards the objectives and growth of this National Mission

File Description	Document
Any additional information	View Document
Link of appropriate web in the Institutional website	View Document
Link for additional information	View Document

5. CONCLUSION

Additional Information :

Research is an important shove precinct of DPU with staff and students being invigorated to take up research projects in inter-disciplinary areas. An innovation ecosystem is created by founding "DPU Incubation Centre" and "Start-up and Innovation Cells" at the constituent colleges to imbibe the spirit of entrepreneurship. DPU has provided Rs. 393.31 lakhs as 'seed money' during the last 5 years. Extramural grants, prestigious 'DST-FIST' funding, two major research projects supported by NIH (USA) have been sanctioned under the DPU-JHU (USA) collaboration. A total of 1619 research papers are published in indexed journals since 2014 with citations and an overall H-index of 48.

The MOU with the University of Skövde (Sweden) in the area of environment and health protection has resulted in the generation of five national patents and faculty and students exchange under the Linnaeus-Palme Teachers' Exchange Program. Meaningful extension and outreach activities are undertaken to realize institutional social responsibility with the active participation of staff and students.

Well-furnished laboratories with avant-garde equipment and excellent library resources (SCOPUS, EBSCOHOST, Elsevier Clinical Key/ Flex, J Gate) have been provided for both teaching and research.

ICT facilities with high-speed internet connectivity and Wi-Fi support the Vidyapeeth. DPU-ERP is a single-window multifunctional administrative, educational, examination and finance system for all transactions.

DPU has established multi-specialty Medical, Ayurveda, and Homoeopathy hospitals (NABH). with the latest equipment for diagnosis and treatment of patients and to provide clinical skills. The Robotic Surgery, Multi-organ Transplant Facility, unique "Yashoda Milk Bank" are available at Medical College.

DPU lays emphasis on the holistic development of students through co-curricular and extra-curricular activities thus providing fertile ground for nurturing talent, creativity, and innovations amongst students. DPU-Merit scholarship, DPU-STS projects, and Ph.D./Post-doctoral fellowships are student support schemes.

Guidelines of statutory bodies are followed and implemented in letter and spirit with participative mechanisms in governance and decision making. DPU is Green Education Campus certified.

In the current Covid-19 pandemic situations DPU has come forward in supporting the Government and Society by offering the hospital facility of Medical College for diagnosis and treatment of Covid -19 Patients.

Concluding Remarks :

Dr. D. Y. Patil Vidyapeeth (DPU) has achieved momentous academic progress and expansion by offering 119 programs covering Medicine, Dentistry, Ayurveda, Homoeopathy, Management, Physiotherapy, Nursing, and Optometry duly recognized by respective councils. An ardent team of 642 teachers provides quality education

to students empowering them with knowledge, skills, and competence through innovative pedagogy and curriculum.

DPU provides seed money for research, stimuli for publications, Ph.D./Post-Doctoral Fellowships, and DPU-Merit Scholarships to students. Extramural funding is received from DST/DBT/ICMR/NIH/SIDA etc. DPU has provided 'seed money' of Rs. 393.31 lakhs to its faculty during the last 5 years. Twenty patents and 1619 research papers have been published with aoverall H-index of 48. DPU has established Central Research facilities including Molecular Diagnostic Laboratory (NABL accredited) and Regenerative Medicine Laboratory (GMP certified) with the latest equipment for undertaking a variety of inter-disciplinary research. An innovation ecosystem is created by establishing the "DPU Foundation for Innovation, Incubation and Entrepreneurship" registered under the Section-8 of Companies Act to imbibe the spirit of innovation and entrepreneurship.

Splendid infrastructure in constituent units and hospitals with the latest equipment for diagnosis and treatment of patients besides the availability of rich clinical material enhances the clinical skills of the students. NABH accredited Ayurveda and Homoeopathy hospitals offer quality care in the AYUSH stream of medicine. The ayurvedic pharmacy is FDA licensed and GMP certified.

Student development is ensured through co-curricular and extracurricular activities for nurturing talent, creativity, and innovation. Excellent hostels and helpful mentors engender a conducive learning milieu for students. IT support from Data Centre has streamlined the services.

The statutory bodies espouse participatory mechanisms in all areas of governance and decision making. Quality culture is imbibed through initiatives of IQAC.

DPU is Solar-Powered, ISO-certified Green Education Campus with an ultramodern library for students and hospitals with Multiorgan Transplant facility, Cardiac Cath-Lab, 3-Tesla MRI services, 18-Modular OTs with IVth-Generation Da Vinci Robotic Surgery facility, and Central Sterilization Service Department.

The best practices have ensured that the vision and mission of DPU are incessantly expressed and ingrained in campus culture with students and faculty being manifestly aligned to it.