

SECTION II

CRITERIA WISE ANALYSIS

2.1 CURRICULAR ASPECTS

Particulars	Observations	Remark/Actions Taken / Compliance
2.1.1 Curriculum Planning and implementation	The college follows the curriculum for the UG, PG courses approved by the affiliating university	√
	Guidelines of the regulatory bodies (PCI and AICTE) are followed in the design of curriculum	√
	Few gaps in the curriculum identified and forwarded to affiliated university	<ol style="list-style-type: none"> 1. Considering identified gaps short term courses such as Advanced Analytical Equipment Handling Certificate (AAEHC) course, Elevating Ethical Practices in Pharmacy Profession (EPPPP), Employability skills were designed and conducted. These courses are approved by RTMNU. Beneficiaries – AAEHC (230), Employability Skills course (400), EPPPP (200) 2. As per identified gaps additional number of practicals are added and practiced. 3. Several guest lectures are conducted on identified gaps.
2.1.2 Academic Flexibility	Semester and credit based system have been introduced for the UG and PG program.	√
	11 elective options are included for M. Pharm program as per syllabus.	√
	Curriculum approved for the UG program by affiliating university does not include elective options.	10 elective subjects included for UG program as per updated curriculum (updated by PCI in 2017).

2.1.3 Curriculum enrichment	The college has introduced a value based training program.	√
	Curriculum is revised by the affiliating university from time to time.	√
	Guest lectures, study tours, seminars and computer courses are organised as curriculum enrichment methods.	√
2.1.4 Feedback System	The institution has formal mechanism to collect feedback from students.	√
	The college is yet to introduce structured method to collect feedback from external stakeholders on learning outcomes of individual courses.	A well defined structured feedback and mechanism was introduced on learning outcomes of individual courses by external stakeholders including subject experts, alumni, and industrial experts.
2.2 TEACHING-LEARNING AND EVALUATION		
Particulars	Observations	Actions Taken / Compliance
2.2.1 Student enrollment and profile	The guidelines of the directorate of technical education of the government of Maharashtra are followed.	√
	Information about admissions widely publicized following the norms of university and govt. of Maharashtra	√
	Statutory reservation policies followed for backward class category of Maharashtra State candidates.	√
2.2.2 Catering to student diversity	Orientation and induction programs are conducted.	√
	Methods to assess the learning needs of students and to cater to their differential learning requirements are	√

	in place.	
	Disadvantaged community and economically backward sections given due guidance and assistance.	√
2.2.3 Teaching-Learning process	Academic calendar, course plan are prepared in a timely manner.	√
	Subject plan and lesson plan need to be adequately circulated.	Subject plan and lesson plan are timely circulated to students at the beginning of academic year through defined mechanism.
	The college has initiated some student centric teaching learning methodologies as an integral part of pedagogy and there is a scope to improve.	Student centric methods such as experiential learning, participatory learning and problem solving methodologies are used for enhancing learning experiences using ICT tools.
	Mentorship available to the students to overcome the problems in learning.	√
2.2.4 Teacher quality	The college follows norms recommended by AICTE and the affiliating university for the recruitment of faculty.	√
	The institution has qualified teachers to conduct the UG and PG program.	√
	25 % teachers has Ph. D. qualifications.	41 % faculty members are Ph. D. qualified 31 % faculty members are registered for Ph. D.
	Teachers are encourage to participate in academic activities and FDPs.	√
2.2.5 Evaluation process and reforms	The evaluation process follows policies of the affiliating university.	√
	There are mechanisms in place to ensure security,	√

	transparency and confidentiality in the conduct of examination and prevention of malpractice.	
	The college has grievance redressal mechanism for internal evaluation.	√
2.2.6 Student performance and learning outcomes.	The institution has articulated its graduate attributes and methods to monitor their implementations and outcomes.	√
	The college has implemented several measures to ensure achievement of the intended learning outcomes.	√
	Students have maintain consistently high pass percentage in the qualifying examinations in the last four years.	√
2.3 RESEARCH CONSULTANCY AND EXTENSION		
Particulars	Observations	Actions Taken / Compliance
2.3.1 Promotion of research	College research committee in place	√
	The college has initiated a few steps to encourage and support faculty in pursuing research.	<ol style="list-style-type: none"> 1. Institute has established a place for research and higher learning i.e. Ph.D. research lab approved by the affiliated university RashtrasantTukdoji Maharaj Nagpur University, Nagpur in 2018 2. With the growing demand, the institute has now renewed the approval of Ph.D. center with an additional intake of 20 3. Total number of NINE faculty members are currently enrolled for the Ph.D.

		<p>4. Under the faculty welfare policy, a flexible leave structure has been adopted for providing sabbatical leaves to the faculties who would like to carry out their research at distinct places.</p> <p>5. Funding has been made available to the faculty for conducting viable research through research initiatives and incentive policy.</p> <p>6. 14 MoUs and 13 linkages have been established to facilitate the research of Ph.D. scholars</p>
	Student study projects are assigned by faculty.	<p>1. Student study projects are being assigned in consultation with faculty and industry experts through Industry-Institute Interaction Cell.</p> <p>2. Project topics are also reviewed and approved by the research and innovation cell of the institute.</p>
2.3.2 Resource mobilisation for research	Institute received research grants for minor projects from local industry.	<p>1. Upto the first cycle of NAAC in 2017, the institute doesn't have major sponsored projects from Govt. funding agencies.</p> <p>2. During assessment years institute received 12 projects from Govt. funding agencies like AICTE, DBT BIRAC, and other pharmaceutical organizations.</p> <p>The total outlay of funding has now reached to 1,16,16,591</p>
	IPR cell has been established and 1 international patent granted.	<p>1. The institute has Intellectual Property Rights (IPR) Cell which constantly encourages students and faculty members to file for patents and organized IPR awareness program every year in association with RGNIIPM.</p> <p>2. During the first cycle institute only has one published patent. During the assessment period, the number of patents raised to 12, and to date, it is 17</p>

2.3.3 Research facilities	The college has striven to upgrade the infrastructure and facilities for research.	<ol style="list-style-type: none"> 1. The institute has well-equipped laboratories, a state-of-art central instrument lab 2. CPCSEA-approved animal house facility to cater to the needs of researchers. 3. Well-equipped pilot plant has also been set up for practicing industrial operations and product development under the project works of students. 4. Enhanced capacity building through sophisticated equipment, drug, and polymers bank 5. Because of the augmented facilities, the research lab of the institute has been approved by DSIR for the period of 2021 to 2024
	Research facilities to be augmented.	<ol style="list-style-type: none"> 1. Total number of major equipment was 17 in nos. costing about 54 lakhs upto NAAC first cycle and now it has been augmented to 1 crore 28 lakhs 2. The major addition of equipment is Zetasizer, GC, spectrofluorophotometer, fluid bed processor, extruder, spheronizer, spray dryer, freeze dryer, rotary evaporator, etc. 3. Animal house facility has been augmented and upgraded for neuroscience studies 4. Zebra fish setup will be soon installed in the animal house
2.3.4 Research publications and awards	Faculty members have published few research papers in indexed journals.	<ol style="list-style-type: none"> 1. Until first NAAC cycle faculty members have published only 25 research papers in indexed journals. It has been augmented now to 164 during the assessment period 2017-18 to 2021-2022 2. The cumulative impact factor has been risen to 35.18 to 81.42 and publications in peer-reviewed journals raised to 70% from

		<p>30%</p> <p>3. This is a fair indication of quality publications done by the faculty.</p> <p>4. Only TWO faculty members received awards for their oral presentations in international conference upto first NAAC cycle</p> <p>5. Now, NINE faculty members received awards for their scientific presentations.</p> <p>6. In the milestone achievements, Dr. Nilesh Mahajan was awarded as a 'Best Researcher' by Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur.</p> <p>7. One of the faculty member Mr. D. K. Mahapatra has been recognized as a 2% scientist by Standford University successively since last years.</p>
	04 faculty members are serving on the editorial boards of national journals.	<p>1. As faculty members are publishing their manuscript in the peer-reviewed reputed journals, they are now started serving the journals as an editor or reviewers in more numbers.</p> <p>2. Now, SEVEN faculty members are serving as an editor or reviewers of National and International journals.</p>
2.3.5 Consultancy	Institution publicizes the expertise available for the consultancy in the faculty profile	1. Informative booklet for the consultancy facility and faculty experts has been prepared. It has also been uploaded on the website of the institute.
	A modest income has been generated by offering research consultancy services to institutions.	<p>1. Until first NAAC cycle, the institute has only FOUR consultancy projects and generated total revenue of Rs. 3,58,000/-</p> <p>2. Now, with augmented facility and resource mobilization faculty have extended the total TEN consultancy projects and generated a substantial amount of Rs. 8,66,767/-</p>

	Institution Industry Interaction cell is yet to be constituted.	Industry institute interaction cell has been constituted for the following objectives: 1. To bridge the gap between industry and institute 2. To improve the quality of technical education to meet the needs of the industry. 3. To encourage the students for doing industrial training and industrial projects. To promote departments to organize workshops & expert lectures from industrial field.
2.3.6 Extension Activities And Institutional Social Responsibilities	Extension activities and social outreach programs are organized through NSS	√
	The college has conducted awareness programs to address social and health issues in the region	√
	The college has a mechanism in place to track student participation in extension/outreach activities	√
2.3.7	The institute established collaborations with a few industries.	1. Till the first NAAC cycle institute has collaborated with THREE industries only. Now, it has been augmented to FIFTEEN industries. 2. These collaboration leads to project training, implant training, audit work, consultancy, outsourcing, and placements
	The students are encouraged for industrial training.	1. Prior to the first cycle the 15 PG students underwent project training. This has been improved over the years with the efforts taken by T&P cell and since then 60 PG students underwent project training and 243 UG students attended implant training during the assessment year.
2.4 INFRASTRUCTURE AND LEARNING RESOURCES		

Particulars	Observations	Actions Taken / Compliance
2.4.1 Physical facilities	The college has adequate infrastructure and IT facilities to support its teaching learning, administrative and student support activities	√
	Barrier free environment for differently abled students provided	√
	The facilities available to support sports, games and other extra-curricular activities may be improved.	<ol style="list-style-type: none"> 1. Dadasaheb Balpande Sports Academy has started to encourage students for sports activities. 2. Sports equipment are increased by 10 % every year. 3. 16 students represented and awarded in National, state, university, and inter-collegiate, level in sports and extra-curricular activities.
2.4.2 Clinical / Laboratory learning resources	Laboratories and ancillary facilities are adequate	√
	Animal house and medicinal plant garden facilities to be improved.	<p>Following facilities are improved for animal house:</p> <ol style="list-style-type: none"> 1. Animal house facility is completely renovated as per guidelines. 2. Separate compartments are facilitated for individual animal species. 3. Centralised air conditioning system is installed with HVAC. 4. Separate spacious storage and washing area is provided. 5. SOP's for animal handling facility activities are framed and practiced. 6. Animal House Facility is regularly updated as per CPCSEA guidelines and committee suggestions. 7. Tested and Graded quality feed is provided to animals.

		<p>Following facilities are improved for Medicinal Plant Garden:</p> <ol style="list-style-type: none"> 1. Drip irrigation for plants. 2. Compost pit for converting garden waste to manure. 3. Received grant of Rs. 1 lakh for medicinal plant garden from Maharashtra State biodiversity Board. 4. Installed Talking tree android app. 5. Increased number of plants (234 survived plants).
2.4.3 Library	Functioning of the library is monitored by the library advisory committee	√
	The library is stocked with adequate number of text books, reference manuals, journals and online learning resources and provides book bank facilities.	√
	Library is partially computerized.	<ol style="list-style-type: none"> 1. Use of Sackinfo 2.5 software for book issue and return. 2. OPAC system is available for searching the title, author, and publisher of the books. 3. Bar-code scanner system is available and all books are labeled with bar-codes. 4. E-resources including DELNET, N-LIST, NDL is available at library. 5. Internet facility upgraded to 100 mbps. 6. Number of computers have been increased to 15.
2.4.4 IT infrastructure	The college has to evolve effective IT policy.	As per NAAC assessor team suggestions, well defined IT policy is in place. Policy is regularly updated as per needs and requirements.
	The institution has adequate computing facilities supported by propriatory software, Wi Fi and LAN	√

	facilities	
	Teachers are provided assistance in preparing computer assisted teaching learning material.	√
2.4.5	Mechanisms for the upkeep and maintenance of the physical infrastructure and facilities in place.	√
Maintenance of campus facilities	Yearly Budget allocations have been provided for maintenance work	√
	The college has insured the equipment and buildings with a reliable insurance agency	√
2.5 STUDENT SUPPORT AND PROGRESSION		
Particulars	Observations	Actions Taken / Compliance
2.5.1 Student mentoring and support	The college publishes prospectus at the commencement of each academic year with details on the functioning of the institution and the facilities provided	√
	The institution has introduced a range of support services to assist students in academic and financial issues	√
	Anti ragging committee, woman grievance cell constituted	√
	Alumni association is yet to be registered.	<ol style="list-style-type: none"> 1. Alumni association is registered on 2nd Jan 2018 with office of Charity Commissioner under Society Registration Act 1860, and Mumbai Public Trust Act 1950. Registration number Nagpur/0000001/2018 and F-0035702 NGP. 2. Students are registered as alumni. 3. Alumni association generously contributed fund of Rs. 1,82,510

		to Ms. Priyanka Maladhare student of DBCOP for her treatment of Cancer. 4. Alumni has donated 'Talking Tree' app for medicinal garden and donated 135 books worth Rs. 20,000. 5. Alumina has sponsored awards for students.
2.5.2 Student progression	A notable proportion of B. Pharm students opt to pursue postgraduate studies and taken up academics, administrative and research assignments.	√
	Efforts have been made for reducing dropout rate	Improved university exam result
	About 10 % students have been qualified in GPAT examination.	1. 37 % students qualified GPAT examination in 2021-22. 2. DBCOP's GPAT club facilitated preparation of students for GPAT examination.
2.5.3 Student Participation and activities	Student participates in variety of athletic, cultural and social events.	√
	The student's council is active in organizing co-curricular, extracurricular and NSS activities	√
2.6 GOVERNANCE, LEADERSHIP AND MANAGEMENT		
Particulars	Observations	Actions Taken / Compliance
2.6.1 Institutional Vision and Leadership	There is evidence of effective leadership in the governance of the institute.	√
	The college promotes participative management in its academics and administrative activities.	√
	The vision of institute is not well defined.	The vision and mission statement of institution is redefined following a structured mechanism.
2.6.2 Strategy	The organizational structure suggests integration of	√

development and deployment	the various departments and functional units for effective governance and decision making	
	Meeting of the various statutory committees are held at regular intervals	√
	The institution may review the formal strategic plan documents to define and guide its future growth	Strategic plan is designed by Governing Body, it is regularly updated as per the need. Policies are framed and updated considering the need of strategic plan. Strategic plan is regularly discussed and reviewed in CDC and IQAC.
2.6.3 faculty empowerment strategies	The institution encourages continuing professional development of the faculty members	√
	A range of welfare measures have been made available to the teaching and non teaching staff.	√
2.6.4 Financial management and resource mobilisation	The institution has effective systems to monitor its financial management practices and optimum use of resources	√
	External audits are conducted annually	√
	Measures for resource mobilisation from external agencies yet to be pursued.	<ol style="list-style-type: none"> 1. Sophisticated equipments purchased from grants are used for generating money through consultancy from external agencies. 2. Total amount Rs. 8.66 lakhs generated through consultancy till now. 3. The amount generated through the outsourcing of these equipments is 1.91 lakhs 4. This amount is used for the annual maintenance contract of sophisticated equipments.
2.6.5 Internal	IOAC has been constituted recently	√

Quality Assurance Cell	Functioning of IQAC to be improved.	<p>IQAC has taken following initiatives since last five years-</p> <ol style="list-style-type: none"> 1. NAAC Accreditation in 2017 2. NBA Accreditation in 2021 3. ISO Certification in 2018, 2022 4. NIRF ranked since 2019 5. Green initiative – Green Audit in 2019-2021 6. 11 Value added courses conducted since 2016 7. Share the Happiness initiative 8. 27 MoUs and linkages 9. 21 Conferences / Workshops / Seminars / FDP organised 10. Examination Manual 11. Entrepreneurship and Start-ups initiatives 12. Updates of committee 13. Research Culture – BRP, RPS
2.7 INNOVATIONS AND BEST PRACTICES		
Particulars	Observations	Actions Taken / Compliance
2.7.1 Environment Consciousness	The college has introduced steps to make the campus ecofriendly	√
	A centralized facility has been created for waste water management	√
	Plantation is done regularly to foster a green environment	√
2.7.2 Innovations	One international patent granted	2 patents granted, 11 published and 3 filed
2.7.3 Best	Daily advance training activities for advanced learners	√

Practices		
	"cause for cause" for differently abled persons	√

SECTION III: OVERALL ANALYSIS		
3.1	INSTITUTIONAL STRENGTHS	
	Team of motivated faculty committed to the ideals and values of the institution.	√
	Good infrastructure for academic activities	√
	Consistent academic progress	√
	Cordial and supportive relationship between students and teachers	√
	Facilities for divyangjan provided	√
3.2	INSTITUTIONAL WEAKNESS	
	No funding from any of the national funding agency for research	Institute has developed research culture; as a result, research grant worth Rs. 1.16 Cr was successfully fetched by institution since last five years. This identified weakness is now strength of the institution.
	Limited research publication in peer reviewed journals	<ol style="list-style-type: none"> 1. Initiatives were taken to improve research publications, until first NAAC cycle faculty members have published only 25 research papers in indexed journals. It has been augmented now to 164 during assessment period 2017-18 to 2021-22. 2. The cumulative impact factor has been risen to 35.18 to 81.42. 3. Publications in peer reviewed journals raised to 70 % from 30%.
	Limited exposure of faculty members to outside world	Faculty members are encouraged to attend international conferences. Financial support for registration is provided by institution.
	Central instrumentation facility with limited instruments	<ol style="list-style-type: none"> 1. Number of advanced analytical sophisticated instruments has been increased from 17 to 27 in last five years.

		<p>2. State of the art pilot plant is developed with necessary facilities and equipments.</p> <p>3. Consultancy worth Rs. 8,66,767/- is generated using equipments and facilities of Central instrumentation laboratory.</p>
	Focus on research is limited	<p>Several initiatives have been taken to encourage research in institution. Research Promotion Policy is developed and executed, as a result following noticeable developments were observed-</p> <ul style="list-style-type: none"> • Publications in peer reviewed journals raised to 70 % from 30%. • Research grants worth Rs. 1.16 Cr were successfully fetched by institution. • The cumulative impact factor has been raised to 35.18 to 81.42. • Consultancy worth Rs. 8,66,767/- is generated.
	Very few international journal subscriptions	Number of International journals subscripsts increased to 13 (print journals) and 388 e-journal.
3.3	INSTITUTIONAL OPPORTUNITIES	
	To expand the network of academic and research in collaboration with national and international agencies.	27 MoUs and linkages are established for collaboration with different companies and academic institutions to facilitate inter-disciplinary and intra-disciplinary research.
	To create more opportunities for faculty and student visits and exchange program with reknown centers in India.	Measures are initiated for faculty and student visits and exchange program with reknown centers in India.
	To introduce more value added and enrichment courses.	11 value added courses conducted. Courses including Advanced Analytical Equipment Handling Certificate course, Elevating Ethical Practices in Pharmacy Profession (EEPPP), Employability Skills certificate course is approved from Department of Lifelong Learning and Extension, RTM Nagpur University.
	To expand extension activities in the rural areas for socio-economic upliftment.	Several extension activities are planned in the adopted five villages for socio-economic upliftment.
	Opportunity for implementation of digital India, start-up programs.	1. Initiatives are taken for implementation of digital India and start-up programs. Students are encouraged to use online payment methods

		<p>for payment of fees and other purposes. Online payment is also facilitated in canteen.</p> <p>2. Entrepreneurship and start-up awareness programs are conducted regularly; as a result three start-ups are initiated at college from students and faculty members.</p>
3.4	INSTITUTIONAL CHALLENGES	
	Limited resources for promotion of research activities.	<p>Following resources for promotion of research activities were initiated-</p> <ol style="list-style-type: none"> 1. Number of Advanced Analytical Sophisticated Equipments increased from 17 to 27. 2. State of the art pilot plant is set-up for facilitation of research activities. 3. CPSEA approved animal house is upgraded to modern facilities. 4. Number of international journals increased to 13 (print), and 388 (e-journals). 6. Enhanced capacity building through sophisticated equipment, drug, and polymers bank.
	To expand research consultancy in to more resource generating areas.	Initiatives are taken under 27 MoUs and linkages to expand research consultancy in to more resource generating areas.
	To introduce post graduation program in more specialised areas.	<ol style="list-style-type: none"> 1. M. Pharm in Pharmaceutical Regulatory Affairs is started in 2021. 2. Process to start M. Pharm in Pharmacology is initiated.

SECTION IV: RECOMMENDATIONS FOR QUALITY ENHANCEMENT OF THE INSTITUTION

S.N.	Recommendations	Action Taken
01	To start M. Pharm courses in other disciplines	M. Pharm in Pharmaceutical Regulatory Affairs is started in 2021. Process to start M. Pharm in Pharmacology is initiated.
02	The institute needs to introduce more structured methods to	Institute has developed and practiced structured mechanism to

	collect feedback from students and other stakeholders on learning outcomes of various courses.	collect feedback from students and stakeholders including alumni, guest lectures, industry experts, employer, etc on learning outcomes of various courses.
03	The institution needs to explore avenues for mobilizing research funding from national agencies, industries and corporate houses.	As per the recommendations by NAAC expert team, the institute has develop research culture, as a result DBCOP is successful in fetching research grant worth Rs. 1.18 Cr and consultancy worth Rs. 12 Lakhs from several national agencies, industries and corporate houses.
04	The college may seek measures to enhance consultancy services and resource mobilization.	As per the recommendations by NAAC expert team, DBCOP has taken measures including 27 MoUs and linkages with industries, academic institutions etc. to increase consultancy services and resource mobilisation. As a result consultancy worth Rs. 12 Lakhs is generated.
05	The college needs to prepare a perspective plan document to guide its future growth.	As per the recommendations by NAAC expert team, a perspective plan document is prepared and approved by Governing Body of DBCOP. Provisions of this plan are discussed in every meeting of CDC and IQAC. Execution of perspective plan is monitored by IQAC, CDC and Principal on regular basis.
06	Extension activities and women empowerment cell needs to be developed.	<p>Considering suggestions of NAAC expert team, scope of extension activities was expanded. Concept of 'Share the Happiness' was introduced to expand the social values through extension activities under the banner of NSS.</p> <p>Women Empowerment Cell is established as "DBCOP Women Development Cell" to give special focus on women empowerment activities. Several social initiatives including guest lectures, menstrual hygiene awareness, self defense programs, employability</p>

		enhancement program, cancer awareness, health check-up camps were regularly taken. Ladies faculty members encouraged to submit research projects to different government agencies and participate in various competitions such as AICTE Lilavati Award 2022
07	College needs to organise FDP, workshops, seminars, symposia, conferences etc. from time to time.	As per the recommendations by NAAC expert team, IQAC has initiated to organise several programs including FDP, workshops, seminars, symposia, conferences for the development of students and staff. Total 21 FDP, workshops, seminars, symposia, conferences were organised since 2017-18.
08	Teaching and Learning methodology need further improvement.	Considering suggestions given by NAAC expert team Teaching and Learning methodologies were improved. Experimental learning, Problem Based Learning, Group discussion, brainstorming, demonstrations, google classrooms, softwares were used as new methodologies to enhance teaching learning process.
09	Hostel facility for boys and Girls	Institute has facilitated accommodation facility for students through identifying availability of rooms in safe zone near college campus. Accommodation facilities were identified on the basis of pre-decided parameters including- safety, nearness, past experience, availability of vehicles, ATM, food, etc. Agreement is established with such identified accommodation providing partners and communicated to students at the time of admission. Regular monitoring of these facilities done by mentors.
10	Proper documentation	As per the recommendations by NAAC expert team, IQAC has initiated structured process of filling and record keeping. All files are properly indexed and coded.
11	To get UGC recognition	As per the recommendations by NAAC expert team, IQAC has

		initiated and received UGC recognition for institution in 2018 under the section of UCG 2 (f), 12 (b).
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