



SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

**ROYAL COLLEGE OF PHARMACY AND HEALTH
SCIENCES**

**ANDHAPASARA ROAD BERHAMPUR DISTRICT- GANJAM
760002**

www.royalcollegeofpharmacy.in

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

February 2023

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Royal College of Pharmacy and Health Sciences (RCPHS), Berhampur was established in November 2002 by Royal Educational and Research Society (RERS), which is registered under Societies Act XXI of 1860 with registration number GJM No. 2726-224 of 2002-2003. The college is a dream institution of RERS, which dreamt of establishing a Model Pharmacy College in the state of Odisha. The college started Diploma in Pharmacy course with an annual intake of 60 students in the year 2002 and the following year (2003), it got approval for imparting Bachelor of Pharmacy (B. Pharm.) course with 60 intake capacity, which subsequently in the year 2017 was enhanced to 100 seats as approved by Pharmacy Council of India (PCI) and All India Council for Technical Education (AICTE). Master of Pharmacy (M. Pharm.) courses were added in the year 2007. Decades of vast experience gained nationally and internationally by faculty members in academics, research, administration, hospitals and industry has been invested in establishing this college and therefore, the college earned a very good reputation in a short period of time. Establishment of this college prompted many other institutions in the region to improve their own standards and to promote the welfare of their staff members. The college, right from its inception took measures to provide the best possible facilities to its students and staff. It created the state of art infrastructure like well furnished, well equipped lecture halls, laboratories, library, tutorial halls, conference hall, separate hostels for boys and girls in the college campus, etc.

The college has a dynamic team of faculty members who regularly upgrade themselves to enrich teaching, research and outreach processes. It is managed by a team of enthusiastic members of RERS, which always strives to provide best possible facilities to its students and staff. The institute is affiliated to Biju Patnaik University of Technology (BPUT), Odisha. The college has well established linkage with pharmaceutical industries as a result industry-institute interactions are well built that benefits both students and faculty. It has approvals from Hospitals also for imparting Hospital Training for students.

Vision

To emerge as an advanced center of professional learning and research of International standing in the field of Pharmaceutical Education, Research and Industry.

Mission

Mission

To equip the students with the best of technical knowledge & skills, nurture scientific temperaments, identify hidden talents, inculcate professional ethics and human values and provide opportunities for students to realize their full potential, thus mould them into professionally superior and ethically strong global manpower with the ability to adapt to an intellectually and technologically changing environment and to become future leaders.

Quality Policy

Royal College of Pharmacy and Health Sciences is committed to impart “Quality Education & Training”, so as to shape highly skilled human resources through continual improvement and with the participative efforts of the management, staff, students and parents.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- The core strength of the college is its highly qualified and experienced faculty. The founder Principal and the present Director has decades of experience gained nationally and internationally in academics, research, administration, hospitals and industry which helped to establish this highly reputed college. Besides him there are very senior qualified academicians including the present Principal, Vice-Principal and required senior & junior faculty members who all work together with a good team spirit for the development of the institution. The faculty has expertise in various advanced methodologies and research techniques and remains abreast with changing research environments promoting high quality inter-disciplinary research.
- The faculty put on all efforts for overall development of the teaching-learning process. They also keep thriving for providing innovative perspective for development of the students on professional aspects.
- The faculty of the college with their publications in various scientific journals of repute, along with their participation in workshops, faculty development programmes and conferences help build up a research environment. Few of the faculty members received research grants from AICTE while a few of them have national and international acclamation.
- The institute has built up a strong industry-institute interaction cell that always focuses in providing best of practical training to students for developing their skills that suit to the needs and demands of health care system of the nation as well as to face the competitive scenario.
- Students and staff of the college are strongly focused in community works as well. Community service activities like literacy promotion, health camps, Swatch Bharat activities etc. are carried out on a regular basis at the adopted village of LATHI under Gyan Lok activities.
- The institute has been participating regularly in NIRF ranking process.
- Most of the faculty are experienced and PhD qualified and three of them hold D. Sc. degrees as well.
- Some alumni of the college are working abroad serving in different capacities at various pharmaceutical companies.
- Few students of the institute received University Gold Medals for their outstanding performance.
- The institution was declared as a Ph.D. Course Work Centre by the Biju Patnaik University of Technology (BPUT).

Institutional Weakness

- Curriculum and examination rules are provided by the affiliating university and the college's freedom is restricted for incorporation of necessary modifications.
- Biased awareness and misconceptions about future prospects among general public about the role, Job etc with respect to profession results in struggle for identity and growth. However, we as professionals are putting forward every effort that we can, to get the due recognition.
- Lack of adequate industries within the state results in compelling graduates to move out of state for jobs.
- Limited scope for industrial training, hospital training and internship for students within the state of

Odisha.

- The stagnation in permanent appointments affects the professional growth of the discipline at times.
- Most of the students studying are from economically weak background which sometimes pushes the students back from pursuing higher studies.
- Irregularities in processing of the Ph. D. related matters by the affiliating university results in inordinate delay in the award of Ph. D. degrees to the deserving candidates creating frustration among the Ph. D. scholars pursuing their research work in the college.
- Lack of grants- in -aid from Government affects the growth plans of the college.

Institutional Opportunity

- In years to come we plan to expertise ourselves well with ICT and mobile based techniques so as to reach the unreached.
- There is Scope for improvement in institute - industry interaction for sharing of opportunities that may augment better practices in teaching & research and may also enhance industrial and hospital training, consultancy services and placements.
- Spread awareness about entrepreneur and entrepreneurship so as to create more job opportunities.
- To see overall personality development of students seeking professional education in the institute.
- Spread awareness among local stakeholders about the ways to prevent spread of communicable diseases and seek timely medical attention when need arises.
- To initiate start up programmes in order to strengthen research and development and emphasis on sustainable developmental goals.
- We also plan to convert the outcome of conceptualized research works in to commercialized products to achieve targets as needed for better management of health care.
- In this era of globalization the institute seeks to increase its national as well as international research opportunities along with internship linkages.
- To avail the benefits of NEP.

Institutional Challenge

- Present phase of research activities are constrained due to lack of financial aids.
- Collaborating with National / International institutions for academic and R & D activities.
- Need of hands on training for faculty and students in industrial facilities.
- Frequent changing pedagogies are difficult to be adopted due to financial limitations.
- Lack of local linguistic based course material poses a challenge in communication for students but faculty from diversified areas are always consistently putting in their efforts to overcome this challenge.
- Making people aware about the Pharmacy courses and practice is a bit tough due to present mind set.
- Improvisation of the placements every year, meeting the demands of the current industry.
- To take up latest Teaching- Learning methodologies in reaching the desired professional outcomes.
- To comply with NEP 2020 protocols.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

Curricular aspects are governed by the affiliating University and Pharmacy Council of India. The college plays only a suggestive role in curriculum design in proposing suitable changes to be made in the existing curricula. However, one of the faculty members namely Prof. P. N. Murthy, Principal of the institution was a member of the PCI B. Pharm. syllabus committee and he participated actively and contributed in the curriculum design during the period 2016 to 2019. As a member of Board of Studies in Pharmacy, Academic Council, Dean, Faculty of Pharmacy for 3 consecutive terms and as Member, Board of Management of Biju Patnaik University of Technology and various other capacities, he contributed immensely in curriculum design, examination reforms, result publications, Ph. D. course work design, admission matters etc. from the inception of BPUT and the college. Several other faculty members of the college were also involved in the above tasks as assigned by Prof. Murthy to them. Prof. Murthy being the senior most qualified & experienced pharmacy professional in the state of Odisha, and Royal College of Pharmacy under the Principalship of Prof. Murthy, played a key role in the pharmacy curricular and other aspects of the University, which was newly started in the year 2003. The teaching methodology and other strategies are regularly upgraded to meet the changing demands. Presently the college offers 01 UG and 04 PG programmes under its banner. The students and stakeholders are benefitted with the value added courses like UHV, Skill development, Personality development and Vocabulary building courses. The initiative of these value added courses has been taken to cater the overall development of the students to face the competitive world. The educatees are encouraged to pursue internship either in pharmaceutical industries or hospitals to gain experience. In order to deliver the best of the curriculum various monitoring committees like mentor-mentee cluster are formed and regular meetings are held to discuss matters related to syllabus or issues faced by staff or students etc. IQAC is involved in consistent discussions with academic committee, faculty and other stake holders on curriculum related matters including revision.

Teaching-learning and Evaluation

The institute aspires to fulfill all requirements as per instructions of Regulatory bodies like PCI, AICTE, Government of Odisha and the University. A good ambience provides highly effective teaching, learning process. A neat and clean pleasant academic friendly environment has been provided in the campus by the college. The classrooms are well furnished, ICT enabled and equipped with present day technology based requirements for effective teaching learning process. Through various schemes (MODROBS, RPS) and research investments from own funds, the institute is well equipped with sophisticated facilities in laboratories and central instruments room that support all needs to train students with good experimental knowledge and skills, along with exposure to research activities. Some of the class rooms and laboratories are air-conditioned as a measure of comfort. The college strictly adheres to the academic calendar of the University for completion of course work and conduct of examinations. The college identifies slow learners and advanced learners based on their academic performance in the previous examinations, sessional examinations, student-teacher interactions and efforts are made to address their needs. To ensure effectiveness of the teaching learning process various student centric methods are also adopted like practical based learning, industrial & hospital training etc., Simulation based teaching-learning is promoted through use of X-pharmacology software. Laboratory viva-voce on every experiment, Surprise Tests, Assignments and Quizzes are conducted on regular basis. The institute conducted seminars, conferences and guest lectures from time to time. The institutional Examination Committee deals with examination related grievances in a time bound manner. Attainment of learning outcomes is evaluated by direct and indirect assessment tools. Digitized library with DELNET Software holding a huge collection of books, e-books, periodicals, subscribed e-journals, magazines and online e-resources is available for users. The library is enriched with 8854 volumes, 2880 titles, and several national & International hard copy journals, periodicals & News Papers. Institute is a member of National Digital Library and subscribed to National Digital Library. IT facilities include computer laboratories with LAN. Digitization is

promoted through IT enabled services by biometric reporting, online examination etc. Computer laboratory is provided with internet facility and e-language software.

Research, Innovations and Extension

The Institute has constituted an Institute Innovation Cell led by Research Coordinator. The Institute has a team of faculty members, 3 with D.Sc., 14 Ph.D. and others with M. Pharm. qualification. Some of them are pursuing Ph.D. degree. Faculty members have maintained the track record of providing consultancies and expert guidance to academia across the country. The research activities at the institute have supported budding researchers to undertake novel research projects for their prototype project proposals. This has resulted in filing of around more than 200 research publications, few books and book chapters. Some faculty members have filed and published Patents. Every year the institute conducts multiple training programs, faculty development programs, workshops, seminars etc. In the last five years, the Institute has conducted several staff development programs related to research methodology, research ethics, communication skills, IPR issues, etc. All the research projects and publications of the institute strictly follow the code of ethics at the highest level of integrity. The institute has functional MOU's with Pharmaceutical Industry/Hospitals at national level along with different academic and research institutes for conducting different research activities and for student training. The students regularly participate in different extension and outreach activities. The institute is enriched with sophisticated instruments like DSC, FTIR, HPLC, UV-Visible Spectrophotometers, Brookfield Viscometer etc. which were procured for project and research works. The animal house is approved by CPCSEA (CCSEA). To facilitate literature review college has subscribed to online e-journals from DELNET, NDLI etc. The number of seminars/ conferences/ workshops attended by faculty is more than 250. The social activities like health camps, health care awareness camps, Swatch Bharat Abhiyan, Blood donation camps, Rotaract Club of Royal College of Pharmacy & Red Ribbon club associated activities, Tree plantation activities etc., are conducted keeping society interest in mind.

Infrastructure and Learning Resources

The Institute infrastructure requirements for instructional, administrative and amenities area as per norms of regulatory authorities like PCI, AICTE and University. The class rooms and seminar hall are well-equipped with LCD projectors and other tech based facilities like Interactive Flat panels (Smart boards), amplifiers etc. The class rooms and laboratories are well furnished, well equipped and have sufficient ventilation. Fire fighting system is also installed in several locations to ensure the safety of students and staff. The central instrumentation room is provided with sophisticated instruments like HPLC, FTIR, UV-Visible Spectrophotometers, Fluidised bed dryer, multi station tablet press, Lumi Reader, Differential Scanning Calorimeter, Ultra Probe sonicator etc. SOP's and log books are available to ensure proper use and maintenance of equipment & instruments. The machine room is equipped with tablet machine, all-purpose equipment, Ball Mill, Dissolution apparatus, Homogenizer, etc. Animal house is approved and maintained as per CPCSEA (CCSEA) guidelines.

Library uses fully automated software "e-Granthalaya version-3.0" and is enriched with 8854 volumes, 2880 titles, and several national & International hard copy journals, periodicals & News Papers. Institute is a member of National Digital Library and subscribed to National Digital Library. The college has also registered on SWAYAM & National Digital Library. Library offers different services such as books lending, book bank, reprographics etc.

The IT related infrastructure development and maintenance is taken care of by the computer staff and the local vendors. ERP software system is used in the college. Internet connection with speed: 200 MBPS is provided. Digitization is promoted through IT enabled services. Wi-Fi internet access is provided in the college and hostels. Computer laboratory is provided with internet facility and e-language software.

The college has medicinal plant garden housing different types of medicinal and aromatic plants. The college is situated in the lush green, noise free campus secured 24 X 7 by the security guards. The college provides a sports ground for outdoor games. Separate hostel facilities are provided for girls and boys within the college campus. Other facilities provided include Canteen, Photocopying, First aid, etc. The Campus has friendly roads with limited entry for the vehicles.

Student Support and Progression

The college always supports students and offers guidance for their progress. Institution has a well- established Mentor-mentee system. Mentors are a key contact point for each and every student of the institution. Many of the students are beneficiaries of scholarships, Tuition fee waivers Scheme as per Government policies. Workshops, conferences, seminars and training sessions are arranged to groom skills like; communication skills, language skills, personality development skills, skills required for employability etc. to facilitate holistic development. Core goal of the institute is to provide all-round development of students with good future prospects by providing vigilance, coaching for various competitive examinations such as GPAT, PGAT, NIPER-entrance etc. Experts talks on human values, professional ethics and activities like World Pharmacist Day, National Pharmacy Week, Library day, AIDS awareness day, etc. are arranged regularly. The institute has promoted career guidance activities by arranging relevant lectures and workshops on employment guidance and self-employment. Grievance redressal committee of the institute addresses students' grievances, if any on time. Institute has constituted an anti-ragging committee and squad to prevent incidences of ragging of students. Women's Protection Committee has been constituted to look after grievances of women about sexual harassment etc at work place and take proper actions against complaints. Many students have qualified different competitive examinations at State / National levels. Placement cell offers career counseling for students to motivate for higher education and gainful employment. The student council offers a variety of services to individual students. The IQAC has been involved in the development of quality culture in the institution. The institute has a strong culture of sports activities that has reflected in award winning participation of students in sports at State & National levels. Institute encourages and continuously motivates the students' contribution in social awareness. The Alumni Association (Royal Alumni Association) plays a pivotal role in bridging the links between the institute and its alumni. Alumni Association is being registered under Societies Act. The alumni contribute financially and non-financially in the form of arranging placement for graduating students, delivering guest lectures, participating in collaborative research, arranging industrial internships to students etc.

Governance, Leadership and Management

The Governing body of the college is composed of well educated personalities from the locality. It functions under the direct supervision of Prof. P. N. Murthy who had been the Founder Principal of the college. Prof. Murthy is a well qualified and experienced academician in the field of Pharmacy with around 44 years of national & international experience in teaching, research, administration, hospitals and industry. He is currently the Director of the institute. Under his leadership and with the team spirit and support from all the staff and members of management committee, the college in no time could earn a very good reputation by providing education of high standard. The college, right from its inception took measures to provide the best

possible facilities to its students and staff and became a 'Model Pharmacy College' in the region.

The Institute has clearly stated vision and mission which reflects in academic and administrative governance. As per the policy, in the beginning of the academic session the Director and Principal of the institute assign different portfolios to the staff members for smooth functioning of academic activities. Principal look after all day to day academic and administrative activities of the college. Well- established IQAC is instrumental as a part of many developmental decisions of the college. In the scheduled meetings with the departments, the academic progress, attendance records, syllabi completed, research activities, student's performance, etc. are reviewed, and necessary suggestions are given for improvement. The college manages all the funds judiciously. Funding to the tune of around Rs. 50 lakhs was secured in the past (between the years 2013-2016) through 2 RPS projects and 1 MODROB project. Effective welfare measures are implemented for staff, like EPF facility, ESI facility, Gratuity benefits, employee group insurance, EPS, Maternity leave, Half-pay leave, etc. The Institute pursues internal and external auditing of accounts regularly. Budget is prepared at the beginning of the financial year and in a participatory manner. The academic and infrastructural qualities have been strengthening through well-defined policies. The students are given representation in almost all committees including IQAC, Anti ragging, ICC, Sports and Cultural committees.

Institutional Values and Best Practices

The institute strongly believed in the Institutional values and established an approach for attainment of these values. It starts with infrastructure facilities like Green initiatives and the campus is declared as a Plastic free zone. Design of building assures maximum usage of natural light and fresh air. The institute has a 24X7 power backup system through 125KV power back up system. The conservation of electricity is done by using LED bulbs in many places. The entry of automobiles is restricted on campus. The campus is surrounded with greenery and many trees. The security of students is a top priority and ensured through prompt vigilance of security personnel (24x7) and also through surveillance of CCTV cameras. Institute has zero tolerance policy in any type of harassment for students and employees and prevents through various committees such as Sexual harassment prevention committee, Anti-ragging committee, and also through timely redressal of grievances. The Institute encourages gender sensitisation through various programmes. The chemical safety manual is prepared for proper handling, storage and disposal of chemicals. Creation of research ambience and achieve excellence through that is one of the prime objectives.

The students' problems are addressed through the Mentor-Mentee system. The institute organizes various activities like World Pharmacist Day, National Pharmacy Week, Library day, AIDS awareness day, cultural activities and annual sports to promote inclusiveness and social harmony. We are keen in frequently arranging the Skill Development Trainings and these programmes are intended to boost confidence, improve the personality and polish the employability skills of students.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	ROYAL COLLEGE OF PHARMACY AND HEALTH SCIENCES
Address	ANDHAPASARA ROAD BERHAMPUR DISTRICT- GANJAM
City	Berhampur
State	Orissa
Pin	760002
Website	www.royalcollegeofpharmacy.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	Susanta Kumar Panda	680-2260024	9437204222	680-2260025	pandask@yahoo.com
IQAC / CIQA coordinator	Madhusmruti Khandai	738-1026134	9437526134	680-2260025	drmskhandai@gmail.com

Status of the Institution	
Institution Status	Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details

State	University name	Document
Orissa	Biju Patnaik University of Technology	View Document

Details of UGC recognition		
Under Section	Date	View Document
2f of UGC		
12B of UGC		

Details of recognition/approval by stationary/regulatory bodies like AICTE, NCTE, MCI, DCI, PCI, RCI etc (other than UGC)				
Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day, Month and year (dd-mm-yyyy)	Validity in months	Remarks
PCI	View Document	10-04-2020	12	

Recognitions	
Is the College recognized by UGC as a College with Potential for Excellence (CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	ANDHAPASARA ROAD BERHAMPUR DISTRICT- GANJAM	Urban	2.506	6657

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BPharm, Pharmacy	48	SSCE OR PLUS TWO SCIENCE OR INTERMEDIATE SCIENCE	English	116	116
PG	MPharm, Pharmacy	24	B. PHARM	English	15	15
PG	MPharm, Pharmacy	24	B. PHARM	English	15	7
PG	MPharm, Pharmacy	24	B. PHARM	English	15	9
PG	MPharm, Pharmacy	24	B. PHARM	English	6	6

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	0				0				0			
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	13				3				27			
Recruited	12	1	0	13	1	2	0	3	16	11	0	27
Yet to Recruit	0				0				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				29
Recruited	27	2	0	29
Yet to Recruit				0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				7
Recruited	7	0	0	7
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/LLD/DM/MCH	3	0	0	0	0	0	0	0	0	3
Ph.D.	9	1	0	1	1	0	0	0	0	12
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	1	0	16	11	0	28
UG	0	0	0	0	0	0	0	0	0	0

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/LLD/DM/MCH	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
UG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	1	0	0	1
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	1	1	0	2
UG	0	0	0	0	0	0	0	0	0	0

Details of Visting/Guest Faculties				
Number of Visiting/Guest Faculty engaged with the college?	Male		Female	
	Others		Total	
	4		1	
	0		5	

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

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	92	0	0	0	92
	Female	28	0	0	0	28
	Others	0	0	0	0	0
PG	Male	29	0	0	0	29
	Female	8	0	0	0	8
	Others	0	0	0	0	0
Diploma	Male	49	0	0	0	49
	Female	11	0	0	0	11
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years					
Category		Year 1	Year 2	Year 3	Year 4
SC	Male	5	2	10	3
	Female	4	2	2	2
	Others	0	0	0	0
ST	Male	1	2	3	4
	Female	0	1	1	1
	Others	0	0	0	0
OBC	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
General	Male	155	136	145	149
	Female	50	49	41	35
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		215	192	202	194

Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	In today's competitive business world, students need to acquire knowledge and skills in a variety of areas. The mission of preparing students to meet the global standards are already reflected in the Institute's vision and in college's name Royal College of Pharmacy and Health Sciences. The Institute's long-term intention is to launch expanded programmes like Pharmaceutical Management, Medical Laboratory Technology, Biotechnology etc. will become a reality as new doors open due to NEP 2020. RCPHS is committed to a holistic approach to learning. Education in a field like Pharmaceutical Science and Technology has the public interest at its core objective. Humanities courses are essential for
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	educating graduates to be sensitive to the needs and hopes of their fellow humans. The curricula offered already incorporates such courses, but they might use further reinforcement through supplementary in-person or online extended sessions. Students are already being made aware of and encouraged to make use of massive open online courses (MOOCs) in cutting-edge and emerging fields including artificial intelligence (AI), machine learning (ML), statistics (SAS), computer-aided design (CAD), and more. Students are being encouraged to participate in courses / on-hand ventures addressing social and community connected subjects through MAR / MOOCs / UG & PG project activities, in order to instil in them the spirit of public service inherent in the profession of Pharmacy. Except for the Lateral Entry Scheme for Diploma holders entering the second year of B. Pharm., no such conditions for numerous entries and exits currently exist. The current Pharmacy Education Program in India has this restriction. RCPHS students and staff are already conducting research across disciplines to find answers to pressing environmental problems. As resources are limited, the institution is working hard to form partnerships with other organisations like NIT, NIPER, DRDO, SERB, etc. in order to broaden the scope of its research to include more citizen-centric topics that may lead to economic solutions for India's unique challenges. The goal of RCPHS's education programme is to mould its students into well-rounded professionals through a combination of classroom learning, cooperative learning, and other extra-curricular activities. The college annually plans and implements events under E- Cell to instil in students the many hard, soft, and life skills for a successful individual in the form of a number of quotients. More multidisciplinary/interdisciplinary subjects will be introduced in due course of time as per the feasibility.
2. Academic bank of credits (ABC):	The affiliated university has already begun implementing the CBCS, a crucial step towards the ABC system. The Academic Bank of Credit concept is yet to be implemented in our college. For this purpose, a committee constituted to prepare a path for effective integration of ABC in its academic programs Action Plan for further implementation under NEP 2020. Once Pharmacy Education is

	liberalised under the NEP 2020, more opportunities for foreign collaborations can be investigated in the future. Faculty members at RCPHS are given complete autonomy in determining their preferred methods of instruction, and are provided with many resources, including technological ones. The library offers a comprehensive collection of primary, secondary, and tertiary resources for instructors to peruse. Students get access to DELNET's e- content and are provided with online reading resources. However, a Memorandum of Understanding (MoU) has been signed with DIT University to involve them in collaborative research activities and that certain staff are already constructing small online courses extending the current curriculum for interested students.
3. Skill development:	The college has already started planning for skill and personality development in accordance with the National Skills Quality Framework (NSQF) as part of its accreditation preparation. Students, especially those from rural and vernacular backgrounds and those who are first generation learners, can benefit from the trending soft skill based grooming sessions. The introduction of B. Pharmacy (Practice), a transitional degree for practising Diploma Pharmacists, is on the agenda for the near future. Uniquely designed UHV sessions are included in the induction programme annually. The AICTE UHV training certification programmes help teachers become better in their jobs as instructors. The students' well-being is prioritised, so there are regular programmes on scientific ethics and life skills offered to them. Actions Taken by the Institution: We are planning to implement Pharmacy Skill Package. Experts in the field are giving lectures and holding workshops for students on a more sporadic basis to help them acquire the practical knowledge they'll need to succeed in the workplace. It has been suggested that professors receive regular on-site industrial refresher training. A Memorandum of Understanding (MoU) has been signed with DIT University, GPAT Discussion Center and 5 Pharmaceutical Industries from Odisha for working together to arrange training programmes. One of the great assets of RCPHS has been a very high amount of professional (both industrial and hospital) exposure, which has ultimately led to significantly

	high placement, as students are often sent there to acquire real-world professional skills. As a result of their first-hand experience with the benefits of education in their chosen field, students are inspired to continue their education beyond the secondary level.
4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):	The correct incorporation of Indian knowledge (instruction in Indian languages and culture via online course): Despite the fact that English is mandated as the medium of instruction, teachers frequently resort to vernacular languages (especially Odiya and Hindi) in order to better reach students who come from more rural and less privileged backgrounds. This helps drive home the point of placing the topics in context, which is why it's included. With the help of NEP 2020 and a nationwide push for more books to be written in vernacular languages, hopefully soon enough specialised vocabulary and educational materials will be accessible to formally educate in the students' native tongue. Using a multilingual approach in the classroom is already a reality, and There is no formal education prerequisite. However, there is a current lack of well-developed scientific jargon and adequate academic resources in the subject of Pharmacy. Facilitating the adoption of multilingual content delivery by teachers and students requires the concurrent creation of such resources. The government of India has not approved any such programme for regional languages. Unofficially, teachers are using both English and vernacular while delivering classroom information so that students may better grasp the ideas when they need to. Pharmacy, also known as Vesajbidya in Sanskrit, has been studied and used for decades. However, much like other branches of science, we have forgotten our Indian roots and are instead teaching the subject in the same manner as the West. Although the lack of proficiency in Sanskrit, old Tamil, and other ancient languages among current learners is a huge challenge. Wwe believe there is a strong need to recover our historic knowledge flowing from Charaka and Sushruta and numerous tribal and other traditional sources. Students and teachers are contributing in little ways to the larger goal of understanding traditional medicines by conducting research on the ethnopharmacological origins of medicine. For this

	reason, AYUSH encourages faculty to apply for funding. The college is proud of its Medicinal Plant Garden, which can be mined for invaluable traditional knowledge. Plants and herbs are labelled with both their common and scientific names so that curious individuals can learn more about them. The institution intends to create a special area of its website in the near future, with all the information about the plants hosted in the Medicinal garden. As a result, students will get an appreciation for the Ayurvedic tradition's use of herbs and plants and their vast therapeutic potential.
5. Focus on Outcome based education (OBE):	Emphasis on Outcome-based Education (OBE): RCPHS has already adopted OBE as part of its initiative to acquire accreditation like NAAC and to focus on transformative learning. This means that the programme and course outcomes have been mapped, and after each semester/academic year, the attainment is analysed. As a result, educators get a clearer picture of where they need to fill in the curriculum, what subjects should go beyond the scope of the standard curriculum, and which students require remedial instruction. Up to this point, the College has made an effort to close the knowledge gap between CO and PO by hosting events like lectures, seminars, and conferences that are pertinent to the profession of Pharmacy and adjacent subjects but go beyond the boundaries of the curriculum. It also includes a strategy for identifying areas of weakness at the CO level and constructing supplemental online materials for each course that go beyond the required reading. Using its own methodology and pedagogical inclinations, the institution has assembled a strong group of experts capable of analysing the results and determining the outcomes. The college, in contrast to its competitors, bases its calculations on hard data from the Outcomes, such as placement rates, post secondary education choices, and overall test pass rates across India. Similar to how it collects grades, the institution uses an online system to collect anonymous input from students, teachers, and parents. The only identifying information collected is that of employers and graduates. This is useful for identifying areas that need improvement both at the Mission / PEO level and the PO/CO level, as well as in the day-to-day academics / administration level.
6. Distance education/online education:	The Covid-19 epidemic has propelled teachers into

online education practically overnight, and the problems have been embraced and met. The College has established a highly effective online education delivery system, and its faculty members are now fully accustomed to teaching via this medium. Thus, the institute is prepared to begin providing vocational courses through ODL/Online mode. Standardizing high-quality ODL courses calls for government backing in the form of a well-thought-out Pharmaceutical Education framework. The majority of the classrooms are "Smart Classrooms," or those outfitted with various forms of information and communication technology. This has allowed for online and virtual material delivery not only by full-time teachers in a traditional classroom setting, but also by adjunct academics or industry specialists from far away. Use of learning management systems (such as google classrooms, zoom platforms, webinars, etc.) has enabled improved content delivery, and professors and students have adapted their methodology to make the most of these cutting-edge tools throughout the pandemic. There are currently pilot programmes attempting to bring these technologies into the traditional classroom setting. A widespread use of LMS as a means of content delivery is widely expected to continue even while in a physical classroom setting, resulting in increased use of digital technology for learning by all parties involved. As evidenced by the Covid era, ODL presents a tremendous opportunity. If given the opportunity, the institute is poised to become a leader in the field of online and distance education.

Institutional Initiatives for Electoral Literacy

1. Whether Electoral Literacy Club (ELC) has been set up in the College?	YES, Electoral Literacy Club of Royal College of Pharmacy and Health Sciences has been set up.
2. Whether students' co-ordinator and co-ordinating faculty members are appointed by the College and whether the ELCs are functional? Whether the ELCs are representative in character?	YES, students' co-ordinator and co-ordinating faculty members are appointed by the College and the ELC is functional and representative in character.
3. What innovative programmes and initiatives undertaken by the ELCs? These may include voluntary contribution by the students in electoral	1. The student coordinators along with faculty coordinator took active part in the awareness camp conducted by the college in association with

processes-participation in voter registration of students and communities where they come from, assisting district election administration in conduct of poll, voter awareness campaigns, promotion of ethical voting, enhancing participation of the under privileged sections of society especially transgender, commercial sex workers, disabled persons, senior citizens, etc.	Berhampur Municipal Corporation (BeMC) Berhampur in December, 2022. 2. The students joined hands to move from door to door in the local area near the college and collected data about updating of voter cards or registration for same by any eligible young adults. They were guided to register in the Registration camps organised in the college premises. 3. The eligible students of the college too got their voter id registration done in the Registration camps. 4. List of Students of the college enrolled include Mr. Rajat Kumar Panda, Mr. Chinmaya Bisoyi, Miss. S. Preeti Reddy, Miss. Biraja Rani patro, Mr. Ananta Sahu, Miss. Debasmita Swain, Miss. Ankita Sahu, Miss. Monalisha Mohan Sahoo, Miss. B. Vaisanavi, Mr. Sujit Biswal, Miss. Chinmayee Dash, Miss. Debasmita Mishra, Miss. Dharitri Sethi, Miss. Debashree Sarkar etc..
4. Any socially relevant projects/initiatives taken by College in electoral related issues especially research projects, surveys, awareness drives, creating content, publications highlighting their contribution to advancing democratic values and participation in electoral processes, etc.	The club was set up in October, 2022 with an aim to help fellow citizens to know about the importance of voting and its significance in democracy. With the objective to lend a helping hand to society and country as whole few students participated in an awareness program arranged by the college where the students visited around 50 households near to local area of the college and surveyed about the eligibility of candidates for enrolment in the electoral roll.
5. Extent of students above 18 years who are yet to be enrolled as voters in the electoral roll and efforts by ELCs as well as efforts by the College to institutionalize mechanisms to register eligible students as voters.	13 students above 18 years who are yet to be enrolled as voters in the electoral roll were identified by the ELC and the college and were registered in the Registration camps conducted in the college in association with Govt. agencies. Similar camps will be organised by the club as and when required.

Extended Profile

1 Students

1.1

Number of students year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
523	495	440	386	321

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

2 Teachers

2.1

Number of teaching staff / full time teachers during the last five years (Without repeat count):

Response: 72

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

2.2

Number of teaching staff / full time teachers year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
35	35	35	32	28

3 Institution

3.1

Expenditure excluding salary component year wise during the last five years (INR in lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
130.92	110.90	60.18	104.38	147.18

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1 The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment

Response:

Royal College of Pharmacy and Health Sciences employed highly qualified and experienced faculty members and the student strength in all programmes is almost full during the assessment period. By regular curriculum planning, monitoring and evaluation of teaching learning activities of the faculty and students through interaction, feedback etc. the college is able to maintain effective programme delivery.

The institute's curriculum is delivered in different stages as under:

1. The institute follows the B. Pharm and M.Pharm. syllabus as per the guidelines of Biju Patnaik University of Technology, the affiliating university and Pharmacy Council of India.
2. Planning a schedule and dividing up assignments in accordance with academic requirements. Classes in theory and practicals are scheduled as per the University and PCI guidelines. Theory classes are arranged to meet an average of three to four hours per week for a subject, while labs are scheduled to meet for a total of 12 hours per week, split evenly between 6 days. Furthermore, the workload has been distributed as per PCI guidelines.
3. Course Outcomes (COs) are determined for each course, and mapping them to the Institute's Program Educational Objectives (PEOs) and the Program Outcomes (POs) and Program Specific Outcomes (PSOs) is the third step. Students' completion of the course are graded based on their mastery of the COs outlined in the revised Bloom's taxonomy.
4. Establishing a schedule for classes to be taught and testing and grading to take place.
5. Use of SMART CLASSROOM technology, which is enabled by information and communication technology, to improve the delivery of audio-visual materials, online techniques, PowerPoint presentations, and live demonstrations are encouraged.
6. Using online platforms like ZOOM, GOOGLE MEET, YOUTUBE channels etc. are used for supporting the students for effective learning. SELF- LEARNING is also encouraged and practised by using various online resources like NPTEL and SWAYAM etc.
7. Students in their final year of B.Pharm or M.Pharm programmes are responsible for a variety of projects hence grooming classes are designed to help them build noticeable abilities.
8. All students are encouraged to handle the instruments & equipment in laboratories to gain skills and experience. Log books are maintained to record the usage of all instruments and equipment in the laboratories. Maintenance of equipment and instruments is regularly carried out. The stock of chemicals, apparatus and glassware is checked at the end of each semester.
9. The institute implements Pre-Curricular and Remedial teaching strategies online and conducts Continuous Internal Assessment as per the academic calendar of the University.
10. Supporting students' participation in internships and apprenticeships with local industries and medical facilities is promoted.
11. The college has started offering skill development programmes to help students acquire practical knowledge to complement their academic studies. Courses providing students with real-world

experience in the field of personality development, grooming up for interview, face challenges of competitiveness etc. are made available. In collaboration with DIT University, GPAT Discussion Centre, etc., the institute is currently working forward for better research activity and ability to face the competitive examinations etc. that can aid in health care management for society.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

1.2 Academic Flexibility

1.2.1 Number of Add on /Certificate/Value added programs offered during the last five years

Response: 2

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

1.2.2 Percentage of students enrolled in Certificate/ Add-on/Value added programs as against the total number of students during the last five years

Response: 3.7

1.2.2.1 Number of students enrolled in subject related Certificate/ Add-on/Value added programs year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
52	28	0	0	0

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

1.3 Curriculum Enrichment

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

Response:

Students are introduced to Professional ethics by sensitizing them during the orientation day ceremony after they join the college. The Institute's curricula as well as extracurricular activities all work together to promote a culture of professional ethics, gender equality, human values, environmental stewardship, and sustainable development. These issues are integrated partly in the syllabus of subjects like Pharmaceutical Jurisprudence and Ethics, Hospital & Clinical Pharmacy, Quality Assurance, Pharmacy Practice and Social and Preventive Pharmacy, Environmental Science etc.. The subject like pharmaceutical jurisprudence bring awareness in professional, moral and social commitments. The course impart basic knowledge on important legislations related to pharmacy profession in India. Also the students are acquainted to code of ethics of Pharmacist in relation to his job, trade, oath of Pharmacist. The subject pharmacology, furnishes particulars regarding the prevention of cruelty to animals by giving CPCSEA guidelines while carrying out animal experiments, breeding and stocking of animals. In addition, the institute has been holding workshops, celebrating World Pharmacist Day, National Pharmacy Week, Teachers day etc. in the college which promote these components.

Internal Complaint Committee (ICC), Grievance Redressal Committee (GRC), Anti-ragging committee and Caste-Discrimination Committee are just a few of the vigilance committees the institute has formed to ensure that women's rights are respected and that there is no discrimination against any gender or social groups. The Institute instructs the students, in equal care and management of male and female physicalities through required courses such Human Anatomy and Physiology. The induction programme includes a workshop on universal human values, and students can fulfil UHV requirements by engaging in activities like health camp volunteering, monetary donations to charities, community service, and training for the underprivileged and the disabled.

Environment and sustainability: Environmental Science, Pharmacognosy and Phytochemistry and Herbal Drug Technology are just a few of the usual courses that integrate the essence of Environment and sustainability into the curriculum. These subjects are incorporated in the curriculum to emphasize the value of environmental education, natural resources and their conservation. Environmental science includes not only the study of physical and biological characters of the environment but also the social and cultural factors and the impact of man on environment. Staff and students are encouraged to be sensitive towards their role in Environment protection. Tree plantation drives are conducted regularly in the institution and students & staff participate actively in the event. The organisation develops an attitude of concern for the environment by conducting programmes such as Swachh Bharat etc. as a part of environmental pollution control and strives to attain harmony with nature.

The institute has also installed solar panels, rain water harvesting system, a well-kept medicinal plant garden, and waste management systems in partnership with the Berhampur Municipal Corporation in campus so as to enhance the environmental and sustainability education component. Finally, the institute hosts seminars and workshops in all of the aforementioned areas annually to instil expert knowledge, global dynamics, and a diverse professional/scientific environment into the trainees beyond what is covered in the standard curriculum.

File Description	Document
Upload Additional information	View Document

1.3.2 Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)**Response:** 29.06**1.3.2.1 Number of students undertaking project work/field work / internships****Response:** 152

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

1.4 Feedback System**1.4.1 Institution obtains feedback on the academic performance and ambience of the institution from various stakeholders, such as Students, Teachers, Employers, Alumni etc. and action taken report on the feedback is made available on institutional website (Yes or No)****Response:** Yes

File Description	Document
Upload supporting document	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Enrolment percentage

Response: 89.86

2.1.1.1 Number of students admitted year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
153	153	132	142	138

2.1.1.2 Number of sanctioned seats year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
167	158	158	158	158

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

2.1.2 Percentage of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy) during the last five years (Exclusive of supernumerary seats)

Response: 27.95

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

2021-22	2020-21	2019-20	2018-19	2017-18
8	10	7	15	5

2.1.2.2 Number of seats earmarked for reserved category as per GOI/ State Govt rule year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
37	33	33	33	25

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

2.2 Student Teacher Ratio

2.2.1 Student – Full time Teacher Ratio (Data for the latest completed academic year)

Response: 14.94

2.3 Teaching- Learning Process

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences using ICT tools

Response:

To enhance the learning experiences among the students, the following methods have been adopted:

Experiential learning

The modern facilities and analytical instruments used in the industry are available for students to use in the college, allowing them to gain hands-on experience in a variety of experimental settings. Under the supervision of faculty, students carry out research activities.

The faculty of pharmacy routinely encourages B. Pharm students to engage in practical training and assessment as part of the degree programme. Students are given the opportunity to observe live demonstrations and experiments with instruments like the UV-Visible Spectrophotometer, HPLC, Dissolution apparatus, Diffusion Cell, GEL Electrophoresis, Soxhlet apparatus, Compound Microscope, Microbial Zone Reader, BOD Incubator, Autoclave, FT-IR, DSC, Lumi Reader etc. to complement the theoretical knowledge they have gained in class.

Participative learning

- Students are invited to take part in extracurricular events that have been planned in conjunction with well-respected institutions. Through this, they can learn about the varied perspectives of prominent academics, artists, activists, and other specialists.
- In order to spread both undergraduate and graduate education, the college has partnered with a variety of sectors in order to create an interface between the academic and industrial worlds.

- Students are encouraged to participate in regional and national conferences, seminars and workshops by presenting posters showcasing their work and to maintain the flow of advanced scientific knowledge.
- Students take an energetic role in a wide range of cultural and educational events. Students are encouraged to participate in community service in order to develop their interpersonal and social skills, as well as to hone their writing abilities through participation in the campus publication, Wall magazine.

Problem-solving methodologies:

In theory and practical classes, students are encouraged to appear at surprise class tests, viva-voce, and other regular academic assignments. Students are encouraged to uptake courses from various online platforms like NPTEL, SWAYAM, etc. for upgrading their skills. Students are trained and encouraged to undertake research activities as well as internship so as to enable them with skills for innovative and problem solving thinking.

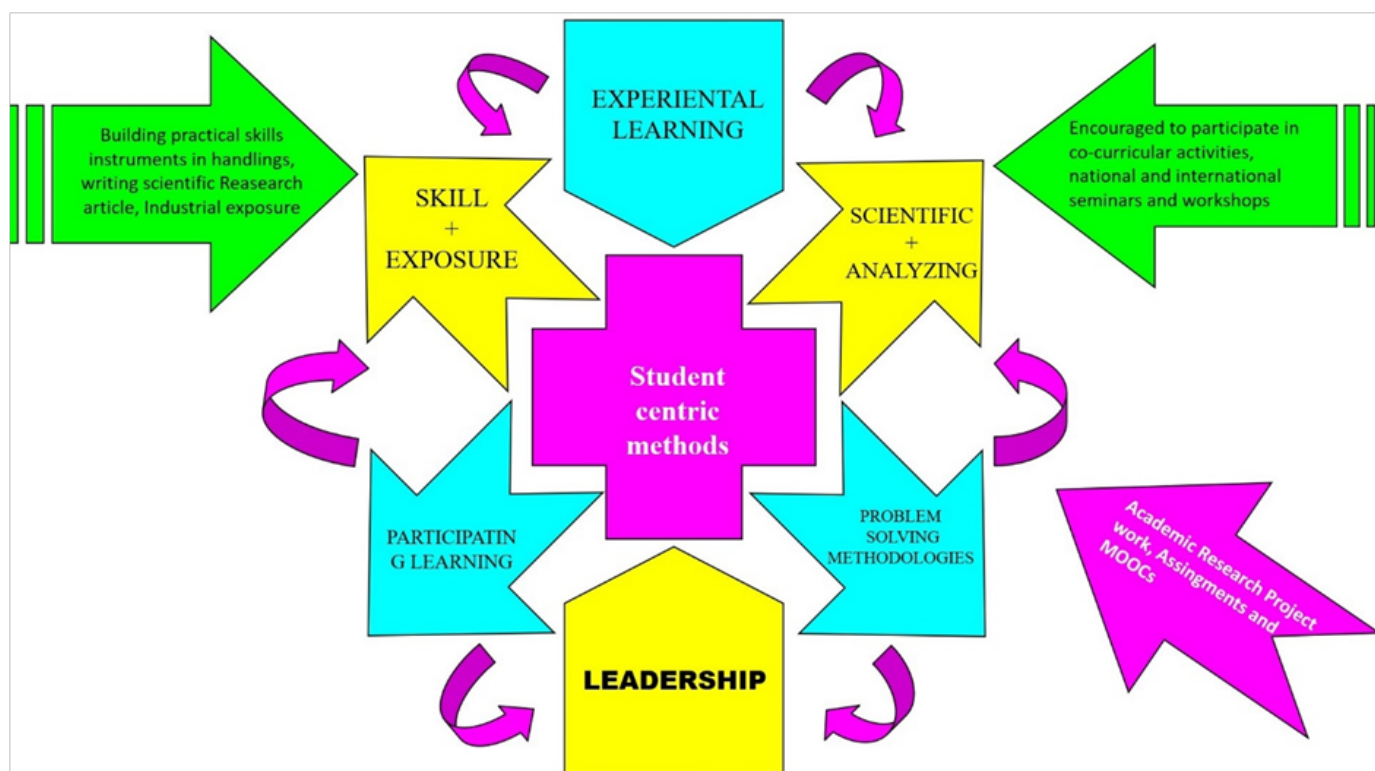


Figure 2.3.1: Student Centric Methods for Enhancing Learning Experiences

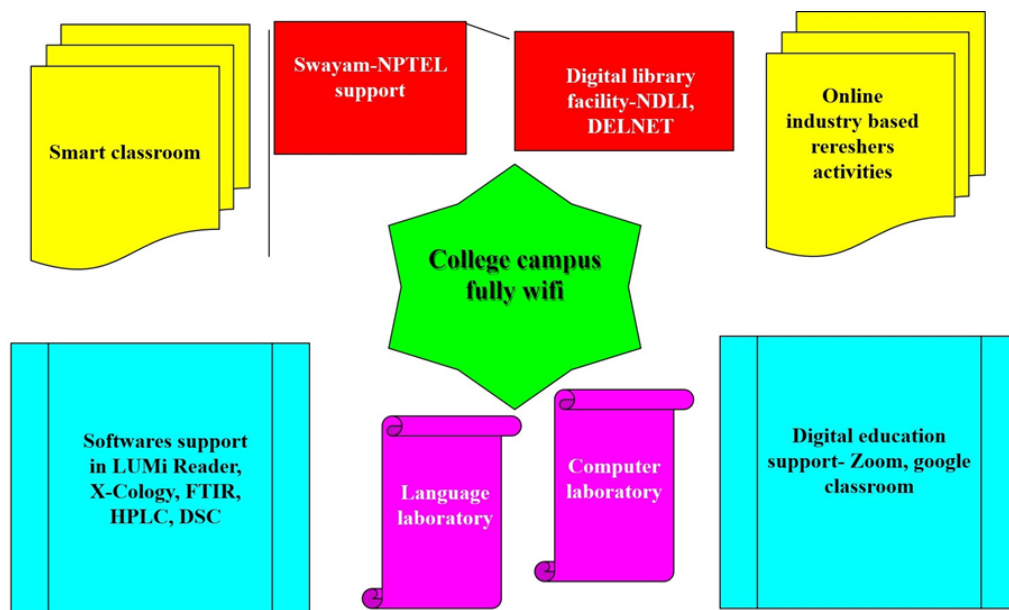
Use of ICT tools : Faculty members are encouraged to use ICT - enabled tools for effective teaching-learning processes:

- The college campus is fully equipped with Wi-Fi, which provides an excellent platform for fast and effective communication between faculty and students
- A small number of classrooms have high-speed LANs and interactive whiteboards, and a separate computer lab has been set up to teach students about soft computing and improve their language and communication skills.
- To ensure that students fully grasp the material being taught, faculty frequently employ diagrammatically illustrated PowerPoint presentations.
- Animal experimentation for Human Anatomy and Physiology and Pharmacology practicals are

conducted through Simulation Softwares like X-cology.

Students are encouraged to use the National Digital Library of India platform to go through various academic contents of their need. They are also encouraged to use NPTEL and SWAYAM.

Fig: ICT Enabled Tools



File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.4 Teacher Profile and Quality

2.4.1 Percentage of full-time teachers against sanctioned posts during the last five years

Response: 100

2.4.1.1 Number of Sanctioned posts / required positions for teaching staff/ full time teachers year wise during the last five years:

2021-22	2020-21	2019-20	2018-19	2017-18
35	35	35	32	28

File Description	Document
Upload supporting document	View Document

2.4.2 Percentage of full time teachers with NET/SET/SLET/ Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. during the last five years (consider only highest degree for count)**Response:** 40.61**2.4.2.1 Number of full time teachers with NET/SET/SLET/Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
13	13	13	14	14

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

2.5 Evaluation Process and Reforms**2.5.1 Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient****Response:**

Royal College of Pharmacy and Health Sciences follows a transparent and robust mode of internal assessment as directed by the affiliated university, Biju Patnaik University of Technology (BPUT), ODISHA for the courses of B.Pharm and M.Pharm (Pharmaceutics, Pharmaceutical Analysis and Quality Assurance, Pharmaceutical Technology and Pharmacology).

All undergraduate and graduate level courses have 2 theory internal assessment tests and 2 practical internal assessment per semester.

In order to ensure that all internal examinations are administered without a hitch, the institute has a dedicated examination cell under the direction of a senior faculty member.

To provide open and honest communication to students, the university portal <http://bput.ac.in/> and the notice board are routinely updated with the latest information regarding assessments, exams, and course syllabi. All internal assessments are scheduled according to a semester-based academic calendar that is prepared by the Exam cell in accordance with the University's academic calendar.

Exam patterns are created by teachers according to the lesson plans, syllabus. Questions are written by teachers according to Bloom's taxonomy. Each question is given the appropriate weighting according to the requirements of the various COs and COBs.

In order to avoid exam cheating, a senior member of the faculty is assigned the role of "designated faculty

officer-in-charge" on a rota basis. Once the internal examination is over, the answer scripts are evaluated by the concerned teachers and the evaluated scripts along with the score are shown to the students. The teachers clarify any doubts/ clarifications sought by the students and corrections are made if necessary. If the students have further grievances, they can raise their grievances.

All internal assessments were performed remotely through Google form during the COVID-19 epidemic. In order to prevent cheating on the part of students taking exams online, strict procedures were established, including limiting the time students had to submit their answers and using the shuffle feature on Google form.

Assessment of external examinations is carried out online by external examiners appointed by the University in a designated place outside the college. Coding system is followed by the University and the answer scripts are coded and decoded by an external agency for transparency.

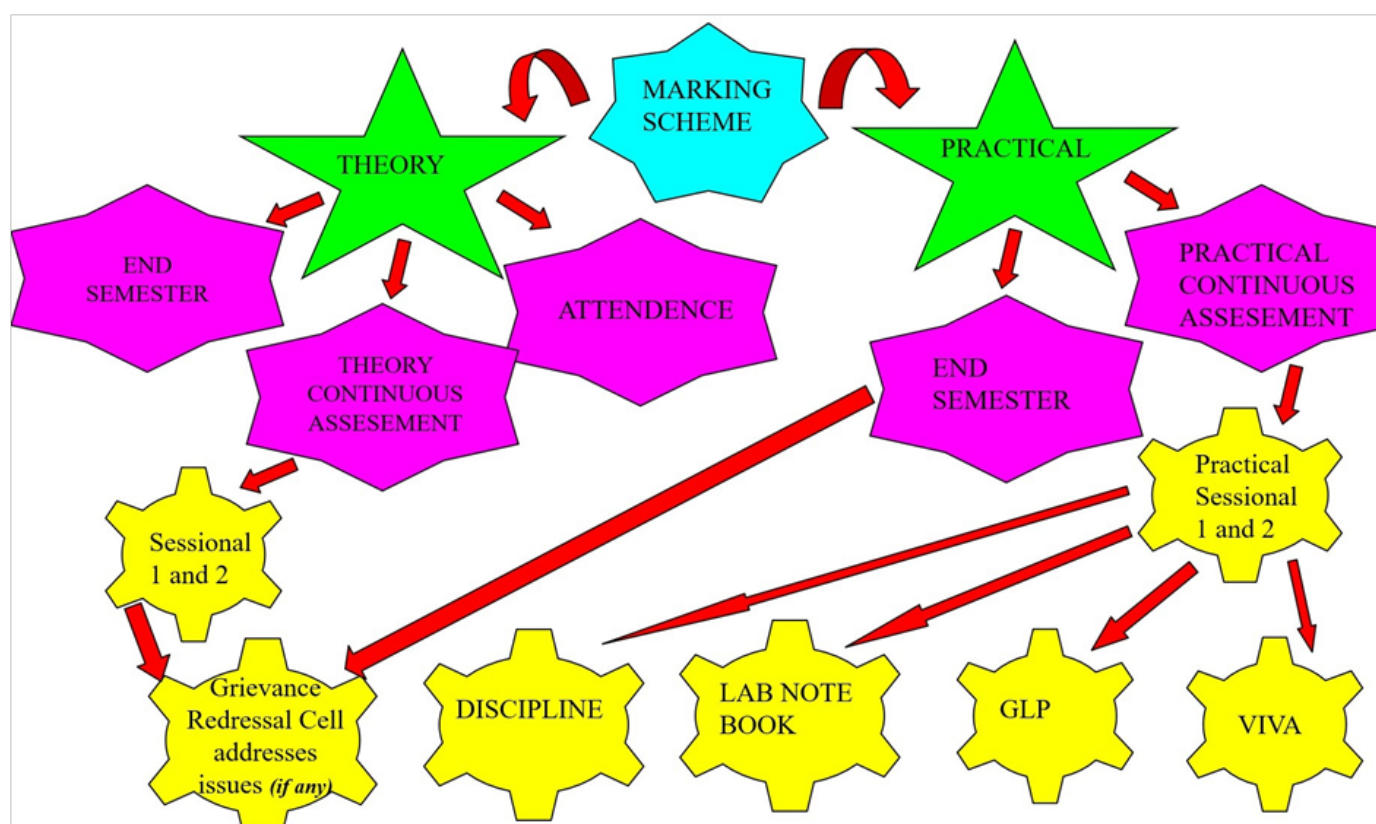


Fig: Evaluation Process

Grievance Redressal System:

The Examination In-Charge is the person in charge of addressing student complaints about the examination process, both before and after the exam. Student applications can be dropped out in a dropbox in front of the examination cell office, or they can be emailed to royalexamcell@gmail.com. Discreetly, a register has been enlisted to keep track of student complaints. The Exam In-Charge verifies the complaints and responds with prompt action to resolve them. There is a responsive structure in place, made up of the Exam cell, the Principal's office that has effectively addressed most of the concerns voiced by students in prior academic years.

Grievances related to external examinations are referred to University where the issues are addressed.

University has a provision of Rechecking through which students can get their scripts reevaluated.

File Description	Document
Upload Additional information	View Document

2.6 Student Performance and Learning Outcomes

2.6.1 Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website and attainment of POs and COs are evaluated

Response:

Programme Outcomes (POs) and Course Outcomes (COs) for B. Pharm. and M. Pharm. Programmes offered by the college are stated and displayed on college website (www.royalcollegeofpharmacy.in). In accordance with the PCI and the BPUT's adoption of the corresponding syllabus, the course outcomes have been developed in light of the course's learning objectives. The content of the syllabus has been restructured into applicable Course Objectives (COBs) and Course Outcomes (COs) according to the Revised Bloom's taxonomy in order to cover all the cognitive domains of the topics. The college has determined the following characteristics of its graduates to be the basis for the programme outcomes (POs): pharmacy knowledge, planning abilities, problem analysis, the use of modern tools, leadership skills, a strong sense of professional identity, a commitment to ethical practise in the pharmaceutical industry, effective communication, patient advocacy, a concern for environmental and social responsibility, a commitment to lifelong learning. The relevant subject faculty are responsible for drafting the COBs and COs, and the department-in-charge (DIC) gives final approval after consulting with the faculty. All of the disciplines' COBs and COs are displayed on the college website and are disseminated to teachers and students through (a) academic meetings and (b) induction activities. (d) a talk at the start of class (e) a chat during mentorship. In addition, IQAC and the course file both reflect the same upkeep. Student success in achieving course outcomes is determined by their grades in both midterm and final exams given by BPUT.

Evaluation of POs and COs: When determining whether or not goals have been met, we consider the following factors: Using a straight forward approach, attainments are ranked.

1. Sessional and "improvement" examinations are conducted at regular intervals to check students' knowledge of the appropriate courses to evaluate the outcome. It also aids students in understanding their own areas of weakness, which helps them learn more thoroughly.
2. Students are tasked with completing assignments to help them gain expertise in a specific area and develop critical thinking skills. The extra information they gain from this supplement to the curriculum is invaluable.
3. A quiz asks students to show their knowledge by raising their hands if they have the right answer to a series of important questions focused on higher order thinking skills (HOTS).
4. In the laboratory viva voce, all students who participate in the practical classes are consistently tested with conceptual questions relating to the experiments carried out.
5. Performance in Theory, Sessional, and Practical Examinations at the End of Each Semester forms a basis of evaluation.
6. Presenting the results of a project is an excellent way to teach students how to put their knowledge

to use in the real world by creating, validating, and evaluating technological systems.

Indirect methods:

1. **Research/review publication:** The progressive research culture of the institute is showcased by students' contributions to research and review publications in various peer-reviewed journals.
2. Performance in **Competitive examinations, Higher Education, Skill Development Courses and Industry feedback/Hospital/Industry training** are also considered.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.6.2 Pass percentage of Students during last five years

Response: 96.38

2.6.2.1 Number of final year students who passed the university examination year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
145	122	94	79	66

2.6.2.2 Number of final year students who appeared for the university examination year-wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
154	125	96	82	68

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response: 3.81

File Description	Document
Upload database of all students on roll	View Document

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1 Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)

Response: 1

3.1.1.1 Total Grants from Government and non-governmental agencies for research projects , endowments, Chairs in the institution during the last five years (INR in Lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
1	0	0	0	0

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

3.2 Innovation Ecosystem

3.2.1 Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

Response:

The college has developed an ecosystem for innovation and advancement in the pharmacy field by inculcating, development of skills & promoting research. The college also encourages creation and knowledge transfer by establishing MoUs with external Agencies. The institute has a Research and Development Cell which encourages the faculty members to carry out minor and major research projects using existing facilities. The Institute has a team of faculty members, 3 with D.Sc., 14 Ph.D. and others with M. Pharm. qualification. Some of them are pursuing Ph.D. degree. Faculty members have maintained the track record of providing consultancies and expert guidance to academia across the country. The research activities at the institute have supported budding researchers to undertake novel research projects for their prototype project proposals. This has resulted in filing of around more than 200 research publications, few books and book chapters. Some faculty members have filed and published Patents. Research funding to the tune of around Rs. 50 lakhs was secured in the past (between the years 2013-2016) through 2 RPS projects and 1 MODROB project.

Entrepreneurship and Start Up Cell: The institute established an Entrepreneurship and Start up Development Cell to encourage entrepreneurship pursuits. This cell aims at creation and transfer of knowledge and innovative ideas to industries and business establishments. Dr. Madhusmruti Khandaii, Dr. Rashmi Ranjan Sarangi and Mr. Saroj Kanta Bisoyi were chosen as mentors representing the college. With

consistent motivation few of our students have started their own retail business. The cell even in the year 2021 had applied for DST-SERB sponsored project to empower entrepreneurship which is sanctioned.

Skill Development Programme: With coordination of Dr. Madhusmruti Khandai (Professor Royal College of Pharmacy and Health Sciences, Berhampur) and Mr. Kali Prasad Ravi (Freelance Recruiter and Corporate Trainer) a skill development course was initiated to start in campus, around 52 students got enrolled for the same. The students were equipped with ideas for better performance in group discussion and extempore along with verbal and non verbal skills. The programme did help out as few weak students who were weak in communication skills got benefitted from the programme and secured jobs at the very first instance of facing interview. Programme is aimed to provide a platform for knowledge growth relevant to various job opportunities and Industrial sectors as well as also to establishing Institute-Industry partnership.

The institution has well equipped laboratories and Central instrumentation room. Training and Placement Cell of the college is in place and focuses in connecting the industry with academia. The main motto of the cell is to have collaborative activities in research area and train students to for industrial/ field visits and campus interviews.

The Cell initiates and encourages the students to participate in different expos and conferences to nurture them technically.

Encourages research culture in staff and students.

Persuades students and staff to have innovative ideas for product development.

It ensures publication and presentation of research papers at various national and International Conferences.

File Description	Document
Upload Additional information	View Document

3.2.2 Number of workshops/seminars/conferences including on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship conducted during the last five years

Response: 22

3.2.2.1 Total number of workshops/seminars/conferences including programs conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
7	3	4	4	4

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

3.3 Research Publications and Awards

3.3.1 Number of research papers published per teacher in the Journals notified on UGC care list during the last five years

Response: 0.68

3.3.1.1 Number of research papers in the Journals notified on UGC CARE list year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
18	07	05	09	10

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

3.3.2 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years

Response: 0.08

3.3.2.1 Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
2	1	2	0	1

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

3.4 Extension Activities

3.4.1 Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the last five years.

Response:

The College has made its noteworthy contribution to the society and environment by making a participation to promote College-Neighborhood-Community network. Major emphasis is given on student engagement, service orientation and holistic development of students contributing to good citizenship.

2017-18

- A voluntary blood donation camp by in-house Red ribbon club of our college and Sambad news paper association was organized where **93** units of blood were collected from among staff, students and voluntary visitors for the benefit of community.
- Women students specifically were motivated about entrepreneurship during Women Empowerment Day celebrations on 16th November 2017.
- World Pharmacist Day was celebrated on 25th September 2017 and students were motivated during this event. They organized a health camp in Gosaninuagam area of Berhampur where public were screened for diabetes and hypertension.

2018-19

- Annual day celebrations Royal Vibrations was celebrated during which a voluntary blood donation camp by Red ribbon club of our college and Sambad news paper association was organized where **136 units** of blood were collected from staff, students and visitors.
- World Pharmacist Day was celebrated on 25th September 2018 and students took a Rally in the city spreading awareness about the role of a pharmacist and proper use of medicines.
- Under privileged students of Local area (age between 5 to 14 years) visited the campus through the joint venture of the college and Robin Hood Army and took a tour around the campus going through the displayed museum that holds medicine samples to understand packing of dosage forms, preserved samples of herbs and human specimens etc for their real time understanding. They were taken around all the laboratories to see demo on working of all instruments as well as hostel to learn about college residence area.
- Students around 78 in number participated in Swacchata Summer Internship programme and carried out an awareness camp at Lathi Village. They even carried out few activities along with local people and class four employees of the village Panchayat like cleaning the roads and drains, visiting door to door and giving message to women members about the need to maintain cleanliness to prevent diseases.

2019-20

A voluntary blood donation camp by Red ribbon club of our college and Sambad news paper association was organized where 103 units of blood were collected from among staff, students and voluntary visitors.

- During Gandhi 150th Centenary Celebrations the students of college in association with the IIT Bombay wing participated in Solar Brand Ambassador programme where the students learned

about the assembling the solar LED lamps.

- World Pharmacist Day was celebrated on 25th September 2019 during which the students and staff of the college organized a literacy promotion programme in Mahuda village.
- **2020-21**
- World Pharmacist Day was observed online on 25th September 2020, created awareness on Covid-19 prevention and precautions.

2021-22

A free vaccination drive in association with the CDMO, Ganjam was conducted to get people vaccinated against COVID-19, around **260** nearby locals were benefitted.

82 units blood were collected during the blood donation camp organized on 6-7-2022.

File Description	Document
Upload Additional information	View Document

3.4.2 Awards and recognitions received for extension activities from government / government recognised bodies

Response:

Received recognition from Odisha Blood Centre for organizing blood donation camps every year regularly.

Received appreciation from Robinhood Army for organizing various social service activities.

Received recognition from Rotary International for the extension activities organized by the Rotaract Club of Royal College of Pharmacy.

Received recognition and grants from Odisha Government for the Red Ribbon Club of the college for the extension activities organized.

File Description	Document
Upload Additional information	View Document

3.4.3 Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organised in collaboration with industry, community and NGOs) during the last five years

Response: 18

3.4.3.1 Number of extension and outreach Programs conducted in collaboration with industry, community, and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
5	0	4	5	4

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

3.5 Collaboration

3.5.1 Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.

Response: 7

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 Availability of adequate infrastructure and physical facilities viz., classrooms, laboratories, ICT facilities, cultural activities, gymnasium, yoga centre etc. in the institution

Response:

Adequate infrastructure and physical facilities like classrooms, laboratories, ICT facilities, games & sports facilities, gymnasium, yoga centre, facilities for cultural activities etc. are made available in the college.

Any educational institute and its programmes can be successful when it can deliver the best along with good infrastructure and thus, since its inception the college has always been keen to provide as well as maintain an academic friendly atmosphere in the college.

The Institute infrastructure requirements for instructional, administrative and amenities area as per norms of regulatory authorities like PCI, AICTE and University. The total area of the college is around 2.50 acres which is lush green and houses two three storied buildings that house the lecture halls, central library, 14 main stream laboratories, 1 Computer lab, CPCSEA (CCSEA) approved animal house, Instrument room etc. The campus is Wi-Fi enabled with a total bandwidth of 400 mbps. The class rooms, laboratories and seminar hall are well furnished, well-equipped with LCD projectors and Interactive Flat panels (Smart boards), amplifiers etc., and have sufficient ventilation. Fire fighting system is also installed in several locations to ensure the safety of students and staff. The central instrumentation room is provided with sophisticated instruments like HPLC, FTIR, UV-Visible Spectrophotometers, Fluidised bed dryer, multi station tablet press, Lumi Reader, Differential Scanning Calorimeter, Ultra Probe sonicator etc. SOP's and log books are available to ensure proper use and maintenance of equipment & instruments. The machine room is equipped with tablet machine, all-purpose equipment, Ball Mill, Dissolution apparatus, Homogenizer, etc. Animal house is approved and maintained as per CPCSEA (CCSEA) guidelines.

The college has a spacious, well furnished library with computers, photocopier, Wi-Fi and other facilities. Library uses fully automated software "e-Granthalaya version-3.0" and is enriched with 8854 volumes, 2880 titles, several national & International hard copy journals, periodicals & News Papers, and several e-books & e-journals. Library has a collection of some rare books as well. The college is a member of National Digital Library and subscribed to National Digital Library. The college has also registered on SWAYAM & National Digital Library. Library offers different services such as books lending, book bank, reprographics etc. Book bank facility is also made available.

When it comes to relaxation from busy schedules of class, exams etc. students search for some amusements. The college's infrastructure supports the same by providing facilities for both indoor and outdoor games like badminton, volleyball, TT, caroms, chess etc. Gym & Yoga facilities are provided to help students to keep fit. In-order to keep the students update with the current affairs and for entertainment purpose, TV facilities are provided in hostels. To keep a vigilant watch in and around the campus CCTV facilities are provided along with full time watchmen to maintain safety.

Other facilities provided include Canteen, photocopying, First aid, etc. The Campus has friendly roads with limited entry for the vehicles.

File Description	Document
Upload Additional information	View Document

4.1.2 Percentage of expenditure, excluding salary for infrastructure augmentation during last five years (INR in Lakhs)

Response: 72.9

4.1.2.1 Expenditure for infrastructure augmentation, excluding salary during the last five years (INR in lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
102.35	93.79	20.27	68.59	118.53

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

4.2 Library as a Learning Resource

4.2.1 Library is automated using Integrated Library Management System (ILMS), subscription to e-resources, amount spent on purchase of books, journals and per day usage of library

Response:

The college has a spacious, well furnished library with computers, photocopier, Wi-Fi and other facilities. Library uses fully automated software “e-Granthalaya version-3.0” software which is the data base for self holding books. The library is enriched with 8854 volumes of books, 2880 titles, several national & international hard copy journals, periodicals & news papers, and several e-books & e-journals. The library also procured the official compendiums like The Indian Pharmacopoeia, The British Pharmacopoeia, The United States Pharmacopoeia, Merck Index, Medical Dictionary, The Matrandale etc. Students can even refer to old question papers of university or boards in order to get help towards preparing for examinations. There are special books available for GPAT, PGAT preparations also. Library has a collection of some rare books as well. The college is a member of National Digital Library and subscribed to National Digital Library. The college has also registered on SWAYAM & National Digital Library. Library offers different services such as books lending, book bank, reprographics etc. Book bank facility is also made available. The library is also equipped with internet facility and computer assistance for staff and students for easy surfing of educational sites.

The books are bar coded for easy accessibility, issue and return. The students can barrow up to 4 books at a

time. In-case they need to refer more books the same can be availed by them through book bank system. The library has a reading room, reference section, journal area etc. Students can also utilize library facility during leisure hours.

Adequate budgetary provision is provided for library for purchase of books, subscribing to DELNET, e-journals, maintenance of computers, purchase of news papers etc. Around 60 users per day make use of the library.

File Description	Document
Upload Additional information	View Document

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities and provides sufficient bandwidth for internet connection

Response:

The college frequently updates its IT facilities and provides a bandwidth of 400mbps for internet connection in its Wi-Fi enabled campus.

It maintains a well-furnished computer laboratory with internet connection, software and hardware assistance which is managed by computer staff. All systems have anti-virus software loaded in them for uninterrupted services. The faculty and students abide by the rules laid down for accessing internet. Funds are provided in the budget for upgrading the systems as and when need arises.

The IT related infrastructure development and maintenance is taken care of by the computer staff and the local vendors. The IT facilities are frequently updated. ERP software system is used in the college. Internet connections with speed: 400 MBPS are provided for the Wi-Fi enabled campus. Wi-Fi internet access is provided in the college as well as hostels. Computer laboratory is integrated with invigilated access to the internet and undergo full maintenance from time to time as per requirement.

4.3.2 Student – Computer ratio (Data for the latest completed academic year)

Response: 7.47

4.3.2.1 Number of computers available for students usage during the latest completed academic year:

Response: 70	
File Description	Document
Upload supporting document	View Document

4.4 Maintenance of Campus Infrastructure

4.4.1 Percentage of expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the last five years (INR in Lakhs)

Response: 5.7

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

2021-22	2020-21	2019-20	2018-19	2017-18
10.22	2.71	9.46	6.54	2.63

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Percentage of students benefited by scholarships and freeships provided by the Government and Non-Government agencies during last five years

Response: 33.12

5.1.1.1 Number of students benefited by scholarships and freeships provided by the Government and Non-Government agencies year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
188	178	124	124	103

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

5.1.2 Capacity building and skills enhancement initiatives taken by the institution include the following

1. Soft skills
2. Language and communication skills
3. Life skills (Yoga, physical fitness, health and hygiene)
4. ICT/computing skills

Response: A. All of the above

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

5.1.3 Percentage of students benefitted by guidance for competitive examinations and career counselling offered by the Institution during the last five years

Response: 1.89

5.1.3.1 Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
9	14	8	4	6

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

5.1.4 The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases

1. Implementation of guidelines of statutory/regulatory bodies
2. Organisation wide awareness and undertakings on policies with zero tolerance
3. Mechanisms for submission of online/offline students' grievances
4. Timely redressal of the grievances through appropriate committees

Response: A. All of the above

File Description	Document
Upload supporting document	View Document

5.2 Student Progression

5.2.1 Percentage of placement of outgoing students and students progressing to higher education during the last five years

Response: 34.76

5.2.1.1 Number of outgoing students placed and / or progressed to higher education year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
63	33	38	16	29

5.2.1.2 Number of outgoing students year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
149	124	96	80	66

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

5.2.2 Percentage of students qualifying in state/national/ international level examinations during the last five years (eg: JAM/CLAT/GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)

Response: 39.02

5.2.2.1 Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ Judicial Services/Public Prosecution services/All India Bar Exams/State government examinations) year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
1	8	2	1	4

5.2.2.2 Number of students appearing in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT,GRE/ TOFEL/ Civil Services/ State government examinations) year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
9	14	8	4	6

File Description	Document
Upload supporting document	View Document
Institutional data in the 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 University / state/ national / international level (award for a team event should be counted as one) during the last five years

Response: 3

5.3.1.1 Number of awards/medals for outstanding performance in sports/cultural activities at

national/international level (award for a team event should be counted as one) year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
1	1	0	1	0

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

5.3.2 Average number of sports and cultural programs in which students of the Institution participated during last five years (organised by the institution/other institutions)

Response: 3

5.3.2.1 Number of sports and cultural programs in which students of the Institution participated year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
3	3	3	3	3

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

5.4 Alumni Engagement

5.4.1 There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

Response:

Royal College of Pharmacy and Health Sciences has an Alumni Association that contributes significantly to the development of the institution through support services.

The success story of any organization is related to its strong association with its alumnus. The college has an alumni association called Royal Alumni Association which is being registered under Societies Act. The Alumni Association plays a pivotal role in bridging the links between the institute and its alumni. The

alumni contribute financially and non-financially in the form of sponsoring alumni meets, arranging placement for graduating students, delivering guest lectures, participating in collaborative research, arranging industrial internships to students etc.

The institute developed a strong bond with its alumni present at different organizations and working in various capacities through its alumni association. The alumni members join hands in helping out the freshers by either extending out reference for jobs or help in searching jobs. Sometimes they arrange for industrial visits or campus interviews. The members also join hands for collaborative research or help out to arrange gift samples of active molecules. They also guide juniors in personality development and keep them aware about areas of common mistakes that can be avoided while facing an interview bench. In order to keep up in touch with the members alumni meets are not only organised in campus but also at other places when our alumni cannot make it to reach us due to their busy schedules. That is how Mumbai chapter, Hyderabad chapter etc were organised.

Royal Alumni Association meetings are organized regularly in which alumni participate and discuss various issues during the meets. During Covid pandemic when every sphere of life came to a halt, we still could interact with our alumni through online platform of Google meet during the years 2020-21 & 2021-22, which led to recruitment of students in various sectors. Few alumni stressed on need for higher degrees in industry and emphasized about completion of higher studies before joining an organization. Few of them also emphasized about the need of hands on training that can open more opportunities and encouraged the freshers to take up add on courses. Apart from guiding the students Alumni also support the management by providing their feedback on curriculum, learning process and update the college administration regarding career opportunities. The members of the Alumni Association maintain regular interaction with the Principal, the management, and the staff members for the overall development of the college.

File Description	Document
Upload Additional information	View Document

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 The governance and leadership is in accordance with vision and mission of the institution and it is visible in various institutional practices such as decentralization and participation in the institutional governance

Response:

The governance and leadership of the college is in accordance with vision and mission of the institution.

Royal College of Pharmacy and Health Sciences has a dedicated and determined team at all levels involved in imparting quality and proficiency centered Pharmacy education to the students of the college. The college is sponsored by Royal Educational and Research Society, Berhampur and administered by the Governing Body of the college. Governing Body makes policy decisions regarding functioning and maintenance of the college and distributes the responsibilities to the Director, Principal, Vice-Principal and various committees. The Director monitors the functions of all the individuals and the committees and advises them appropriately at various stages.

The Director, Principal, Vice-Principal, different committees like Building committee, Maintenance Committee, Programme Committee, Research Committee, Anti-ragging Committee, Anti-ragging squad, Internal Complaint Committee, Anti-discrimination Committee, Women Welfare Committee, Placement Cell, Student Council, Examination Reform Committee, Committee for prevention of wastage of Resources, Right to information Committee, Grievance Redressal Committee, Discard Committee, Industry-Institute Cell, IQAC etc., faculty and staff discharge their responsibilities keeping in view of the vision and mission of the institution to meet the objectives and goals of the organization. Vision and mission of the organization are as under:

VISION

To emerge as an advanced center of professional learning and research of International standing in the field of Pharmaceutical Education, Research and Industry.

MISSION

To equip the students with the best of technical knowledge & skills, nurture scientific temperaments, identify hidden talents, inculcate professional ethics and human values and provide opportunities for students to realize their full potential, thus mould them into professionally superior and ethically strong global manpower with the ability to adapt to an intellectually and technologically changing environment and to become future leaders. All the members and committees work with coordinated efforts to achieve the goals under the above vision and mission.

The governing body of the college and Society joins hands with Director, Principal, faculty and other staff in every possible way to fulfill the same. The college has strived all through 20 years of its existence for producing skilled professionals of pharmacy to serve the society to the best. The institution bases all of its operations around the needs of its students, thus from the very year of their entry they are divided in to

small groups of 30 students and assigned to a proctor till completion of their courses. The proctor counsel the students in every aspect be it be personal or professional and guides them to develop the ability of logical thinking. Faculty take every measure so that the learning atmosphere is kept abreast as well as PEOs are always met and students achieve success with confidence. The students are also encouraged to develop spirit of team work and entrepreneurship so that in future they can act as human resource developers.

File Description	Document
Upload Additional information	View Document

6.2 Strategy Development and Deployment

6.2.1 The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, deployment of institutional Strategic/ perspective/development plan etc

Response:

A planned work culture brings appreciation from all sectors due to high success rate. It has always been a priority for the college to train and produce competent pharmacy professionals. Well organised planning and set up of IQAC in 2017 has promoted overall growth of the college. The academic and infrastructure development in and around the institute are examples related to results of strategic planning. To name a few are, establishment of research lab, installation of RO water system, installation of 70 KVA solar unit, set up of 125KVA generator, maintenance of Jan Ausadhi store etc. The college also has signed MOUs with DIT university, 5 Pharmaceutical Industries (local) to promote research and hands on training for students.

The college has well defined organization structure as per the by-laws of the RERS. The College GB works with statutory bodies, outlines the thrust areas and implements effective administrative and academic policies for overall development of the Institute along with its stakeholders.

Administrative Instructions and Regulations: These consist of

Recruitment policies for teaching and non-teaching staff.

- Eligibility criterion clearly described as that of Statutory Body PCI
- Teacher: student ratio maintenance for UG/PG,
- Selection and appointment of Principal/Teachers/Administrative staff as per the sanctioned posts

Service Rules and Regulations: Include

- Promotion Policy
- Assessment Criteria for Teaching and Non-teaching staff Work
- Increment Guidelines
- Rules for Termination of Employee Services

- Code of Conduct,
- Disciplinary Proceedings and its implementations.

Faculty Accountabilities Include

- Teaching and Training Activities
- Assessment and Evaluation
- Design of Outreach Activities and its Implementation
- Research and Consultancy Activities
- Administration and Extension Services.

Leave Rules: Guidelines are demarcated for Employees to avail Casual Leave , Earned Leave, Medical Leave, Study Leave, Maternity Leave

Few instances where the college exhibited deployment of strategic plan and planning to improve further are

1. To accomplish and sustain exceptional academic results by constituting various academic committees to ensure..

- Proper academic planning and conduct
- Implement and analyze feedback on teachers /teaching
- Follow up action on irregularities
- Meeting the needs of slow learners and execute remedial activities.

2. Emphasis on Student Centric Learning Process- by..

- Conduction of Class Seminars and group discussion on a topic of subject.
- Poster presentation competitions
- Evaluating of Professional and Soft skills
- Clerkship and Internship Training
- Co-operative learning Procedure by consolidating small groups working together with a learning task followed by evaluation through their participation ability in group discussions and debates etc.

3. Research Ability Inculcation in faculty and students- by...

- Encouraging and aiding faculty to register for Ph. D Programs
- Guiding faculty to organizing or attending Conferences/Seminars/ Workshops/Webinars/ /FDP
- Insisting Faculty for Peer reviewed Research publications etc.

4. Enriching Communication/Presentation skills among the students by conducting personality development events, Elocution and Essay Writing Competitions.

5. Augment student's participation in Community Pharmacy & Extension activities- through various activities like

- Health Checkup Camps,
- Swatch Bharat Abhiyan Promotion,

- Women empowerment Activities
- Gender Equity Programs
- Organizing awareness activities about health issues like AIDS/Chronic Disorders.

6. Quality Assessment through National Accreditation agencies like NAAC/ NBA /ISO for Institute Accreditation and Certification

File Description	Document
Upload Additional information	View Document

6.2.2 Implementation of e-governance in areas of operation

- 1.Administration
- 2.Finance and Accounts
- 3.Student Admission and Support
- 4.Examination

Response: A. All of the above

File Description	Document
Upload supporting document	View Document

6.3 Faculty Empowerment Strategies

6.3.1 The institution has effective welfare measures and Performance Appraisal System for teaching and non-teaching staff

Response:

With the aim of caring for all, moving ahead with by supporting each other and help its members, the college implements a few beneficial policies. The institute allows its employees to avail causal leaves, special leaves, deputation leaves, (leave to attend conferences, seminars, workshops etc.), half-pay leave, maternity leave, earned leave etc. The college provides the benefits of gratuity, EPF and ESI to its staff members as per their eligibility. The college also organises seminar, workshops, conferences within its own campus from time to time for the growth and development of faculty and students.

Every year prior to start of the new session a self appraisal form is provided to all staff members and filled in forms w.r.t ones contribution in teaching learning process, development of organization, involvement in revenue generation by applying for projects and funding from govt. or non-govt. departments, involvement in other developmental works etc. are collected for evaluation. Post evaluation staff members are advised to work out in areas of their individual weakness and improve the same.

The college provides / implements the following welfare measures to its employees - both teaching and non-teaching through:

1. The faculty members are deputed to participate in various professional programs viz., conferences, seminars, workshops, FDPs etc.
2. Providing facilities to faculty members pursuing Ph.D to carry out research work
3. Various leave facilities for both teaching and Non-teaching staff: Staff members can avail the leave facilities as per the eligibility criteria and norms of the college.
4. Provision of RO water.
5. Canteen facility for students and staff .

Performance Appraisal of Teaching Staff:

The college has a well-defined performance appraisal system for Faculty Members. Faculty intending for promotion or increment are required to submit their annual performance appraisal in prescribed format.

The performance appraisal document includes the

- 1.Details of professional experience
- 2.Academic Contribution details
- 3.Administrative Contributions
- 4.Professional Achievements right from the beginning of their professional career.
- 5.Best Practices implemented in Teaching Learning Methodology, Initiatives / innovative measures in teaching and learning.
6. Future plans in terms of goals and their strategy for their achievements and contribution.

The performance of all the teaching staff are reviewed by the HODs, Principal and Management Representatives.

Feedback from students is thoroughly analyzed by the concerned team and communicated to the respective faculty to update/ improve / adapt as per the feedback. HOD's appraises the staff based on their work. The Performance Based Appraisal submitted by the respective Faculty Member is verified, checked and appraised accordingly by the HODs, IQAC and the Principal.

Appraisal of Non-Teaching Staff:

Performance appraisal for non-teaching staff is carried out on their work involvement, performance and contribution besides the feedback given by the HODs and principal.

File Description	Document
Upload Additional information	View Document

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

Response: 0

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

2021-22	2020-21	2019-20	2018-19	2017-18
0	0	0	0	0

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

6.3.3 Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), professional development /administrative training programs during the last five years

Response: 3.95

6.3.3.1 Total number of teaching and non-teaching staff participating in Faculty development Programmes (FDP), professional development /administrative training programs during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
0	0	10	03	00

6.3.3.2 Number of non-teaching staff year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
35	34	35	32	28

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

6.4 Financial Management and Resource Mobilization

6.4.1 Institution has strategies for mobilization and optimal utilization of resources and funds from various sources (government/ nongovernment organizations) and it conducts financial audits regularly (internal and external)

Response:

Every year the governing body of the society calls for a budget preparation and analysis meeting during the financial year ending and proposes to make a new budget plan for the forth coming year. The finance section of the institute prepares reports on fees collected from students, revenue generated from outside sources if any, and any other income sources after thorough analysis using TALLY software. All expenditure met in previous year is reviewed along with payments done and any error pointed by auditor is rectified with a note that such occurrence will not happen again. The institute discourages cash transactions in order to maintain transparency. All financial statements and bills are audited by the auditors. The record of each income and expenditure is maintained and sent for certification from external auditors. After all financial statements are reviewed, signed and approved by auditors and management the audit report is generated and same is kept for records. The institute files income tax returns regularly and deducts any TDS that is to be paid before due date.

The college is a self-financing organization and is solely dependent on fees from students as major part of it's income source. The authorised team along with Director and Principal prepares budget after requirements are received from individual departments / staff members. Then once the budget is finalised and approved, the funds are used accordingly. The institute also tries to receive grants from Govt. and other sources under project grants. A research funding to the tune of around Rs. 50 lakhs was received during the period 2013-2016 through 2 Research Promotion Scheme (RPS) projects and 1 MODROB project from AICTE. The management reviews all activities under financial heads and takes appropriate measures for optimal utilization of funds.

Financial audits are regularly conducted by internal as well as external auditors. The Society approves the appointment of auditors (Chartered Accountants) during the Annual General Meeting every year and the appoints the auditors carry out the audit works of the college following all the standard protocols. Amar Kanta & Associates, Chartered Accountants, Firm. Regd. No. 319225E have been appointed as external auditors for the college and the Society and they have been conducting the external audits all these years. Final Audits document income and expenditure on different heads like fees from students, salary payments, laboratory equipment expenditure, library expenses, building and infrastructure, sports facilities, maintenance expenses and other miscellaneous. Auditors' Report consists of Income and Expenditure statement, Balance Sheet and Depreciation statement.

Similarly, the accountant of the college conducts internal audits regularly and puts up the details before the administration for necessary approvals.

File Description	Document
Upload Additional information	View Document

6.5 Internal Quality Assurance System

6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes. It reviews teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals and records the incremental improvement in various activities

Response:

The Internal Quality Assurance Cell (IQAC) of the college constantly strives for proper planning and execution of the same for academic benefits. The cell sees that the academic calendar issued by the university is adhered to disseminate academic activities. The IQAC regularly takes feed back from the Mentor-Mentee system to keep a check on the performance of the students from time to time. The cell also emphasizes on drawing of lesson plans at the very beginning of the session. Based on lesson plans course materials, handouts etc. are prepared and same is uploaded in website for reference by students. In order to take care of weak students or slow learners special tutorial classes are arranged. From time to time the IQAC meets with subjects teachers and collects feedback on course completion, attendance of the students in both theory and practical, preparedness of students to face examination and reports there of are prepared. After every semester exam or annual exam the cell meets with respective departments sub cells and discusses about the performance of the students in the same. In case the results are poor then what can be done to improve the same is reviewed. Based on the proposal thereof the same plans are adopted to improve. The IQAC constantly collects all the feedbacks from students so as to improve the academic performance using survey forms. The cell emphasizes on personality development of the student along with skills and research ability, thus keeping the same in view arrangements are done to meet the requirement. The IQAC along with anti-ragging committee, ICC, Anti-discrimination committee, OBC cell, Minority Cell etc. looks after smooth functioning of the entire academic ecosystem.

The IQAC cell was established in the year 2017 to review academic performance, adaptation to various proposals and methods for overall development as well as meeting the objectives of teaching learning process. Since its inception the IQAC cell has been constantly and dedicatedly working to meet the requirements as specified by the Pharmacy Council of India in its syllabus for meeting the learning outcomes. The cell functions through two basic approaches, one is continuous assessment and other is feedback analysis. The first one is adopted to see that academic activities are carried out in accordance to the academic calendar and the prescribed number of theory and practical classes are held. The second one is to look after the fulfillment of basic expectation of the student from a faculty based on few points like course coverage, citing of examples for easy understanding, effectiveness, use of teaching aids or charts or any other audio-visual methods, motivation and outcome etc. The reports received for the outcomes are reviewed and accordingly plans are designed to promote as well as enhance academic performance.

File Description	Document
Upload Additional information	View Document

6.5.2 Quality assurance initiatives of the institution include:

- 1.Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analysed and used for improvements**
- 2.Collaborative quality initiatives with other institution(s)/ membership of international networks**
- 3.Participation in NIRF**
- 4.any other quality audit/accreditation recognized by state, national or international agencies such as NAAC, NBA, ISO Certification etc**

Response: A. All of the above

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	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 and Institutional initiatives to celebrate / organize national and international commemorative days, events and festivals during the last five years

Response:

Gender equity:

To keep in pace with the gender equity, an Internal Complaint Committee (ICC) exists in the college to receive and redress complaints of sexual harassment. ICC of the college meets regularly along with its members with the students to sensitize them about avoiding gender in equality. The team also strives for maintaining equal work culture environment and providing equal opportunities for development to both male and female employees, at the same time any type of untoward incident is not tolerated.

Since proper monitoring is needed in the campus against any type of misconduct and safety of all, the campus is facilitated with CCTV surveillance. At times when the authorities find the necessity for special counselling of the female members, then such sessions are initiated and implemented. Even lady doctors from local are invited to counsel students basically about self hygiene and its importance in leading a healthy biological life. Common rooms are provided for girl students to relax and even take rest at times of need.

The college celebrates national and international commemorative days, events and festivals every year with a view to promote patriotism, concern for the community, human values, inclusiveness and spirit of integrity and unity as mentioned below.

Independence Day & Republic Day: Management members, teaching and non-teaching staff, student of the college celebrate 15th of August and 26th of January in true spirit and remember the sacrifices made by our freedom fighters and nation builders and pay tributes to them and take oath to join hands for Nation building.

World Pharmacists Day:

To recognise the efforts of the Pharmacists, this day is celebrated every year on 25th September, with great pump and show. On this day, a formal meeting is arranged where Director, Principal and invited guests along with members of management motivate the budding pharmacists and create awareness about their roles in the society. After the meeting few competitions like elocution, essay writing, debate and poster presentations are conducted. Health camps are also organized on the occasion.

Ganesh Puja, Saraswati Puja and Viswakarma Puja: during these celebrations every year, students take all initiatives to make all arrangements for the Puja under the supervision of faculty in charge. They follow all the religious protocols in performing prayers and invite their friends to witness the events.

National Pharmacy Week:

During third week of November every year National Pharmacy Week is celebrated in the campus. During the celebrations various competitions like essay writing, debate competition, rangoli, drawing, street Plays, community awareness programmes etc. are carried out.

Janausadhi Diwas:

Keeping in view the need and importance of generic medicines the Janausadhi Day is celebrated. On this day of 7th March free blood sugar and Blood pressure measurement camps are conducted.

The following days are also observed every year:

12th January	- National Youth Day (Birth anniversary of Swami Vivekananda)
21st June	- International Yoga Day
5th September	- Teachers Day (Birth anniversary of Dr. S. Radha Krishnan)
2nd October	- Gandhi Jayanti
26th November	- Constitution Day

File Description	Document
Upload Additional information	View Document

7.1.2 The Institution has facilities and initiatives for

- 1. Alternate sources of energy and energy conservation measures**
- 2. Management of the various types of degradable and nondegradable waste**
- 3. Water conservation**
- 4. Green campus initiatives**
- 5. Disabled-friendly, barrier free environment**

Response: A. 4 or All of the above

File Description	Document
Upload supporting document	View Document

7.1.3 Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following

- 1. Green audit / Environment audit**
- 2. Energy audit**
- 3. Clean and green campus initiatives**
- 4. Beyond the campus environmental promotion activities**

Response: A. All of the above

File Description	Document
Upload supporting document	View Document

7.1.4 Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic diversity and Sensitization of students and employees to the constitutional obligations: values, rights, duties and responsibilities of citizens (Within 500 words)

Response:

To keep up the values of tradition, culture and human values the institute regularly organizes cultural events on various occasions. Since students from all social, economic and cultural classes are studying in the campus, utmost care is taken to see that they develop in all aspects keeping in touch with their own culture. Students are encouraged to demonstrate their capabilities other than curricula and they are given complete scope for exhibiting their talents. They are encouraged to arrange street plays, do mimicry, participate in awareness campus, quiz competitions, elocutions, debate competitions as well as move out and participate in sports activities at state and national levels.

The college organizes national and international commemorative days, events and festivals during which all the students work together closely and develop tolerance and harmony towards cultural, regional, linguistic, communal, and socioeconomic diversity. They participate in various games and sports conducted on different occasions including the Annual Day (Royal Vibrations) celebrations and develop sportsmanship and work in harmony. Community service events like blood donation camps, health camps, awareness rallies etc. bring them closer and creating an inclusive environment. Other than this students and staff get opportunity to display their inner talents during annual day celebrations. Students also participate in Jan Ausadhi day celebrations and help in arranging health camps, blood donation camps etc. The students also helped in vaccination camp organized in the college in association with the CDMO, Berhampur for COVID-19.

The college organizes different activities to sensitize students and staff to their constitutional obligations: Values, Rights, Duties and responsibilities. Every year Constitution day is celebrated in the college by inviting eminent personalities who speak on these aspects. The Fundamental Rights, Duties, Values and Responsibilities of citizens as stated in Constitution of India are explained to the audience in the meetings. The Chairman, Director and Principal of the college also remind every one present about the supreme sacrifices made by our freedom fighters and the constitution makers. Our constitution provides for human dignity, equality, social justice, human rights and freedom, rule of law, equity, respect and superiority of constitution in the national life. The whole country is governed on the basis of the rights and duties described in the Constitution of India. Human values are given top priority by the college and we always emphasize our students and staff to practice and promote highest standards of human values and ethics. An individual will not be of much use to the society if he or she does not maintain human values, even if he is good at many other things. We always advise them to serve with a human face as they are in the health care system, where the patients need kindness, sympathy and attention from the people who treat them and take care of them. These principles are always stressed in all meetings with our students and staff by our Director and other officials of the college. With constant persuasion, reminders and practice, we maintain good discipline and human values in our college.

File Description	Document
Upload 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 – I

1 Title of the Practice

MEETING COMMUNITY REQUIREMENTS OF MEDICINES AT AFFORDABLE PRICES

2 Objectives of the Practice

- To serve society through community services.
- Make sure that all especially, the poor have access to medicines at affordable prices.
- Encourage use of generic medicines.
- Create more job opportunities.

3 The Context

Pradhan Mantri Bhartiya Janaushadhi Kendra (PMBJK) deals with supply of medicines and surgical items to all at affordable prices. So, far there are more than 8800 PMBJKs centres across the country where quality generic medicines & surgical products are dispensed. The PMBJK was started in 2017 in college. P

It was also intended to create awareness about generic medicines through education and publicity to counter the perception that quality is synonymous with high price only.

Further, testing of medicines sold at PMBJK in the college laboratories and comparing them with the branded medicines to create awareness and confidence among the students and staff was also aimed.

4 The Practice

- The store is opened from 10.00 am to 5.00 pm and even at on calls.
- During Covid when people were in real need we carried out on call services.
- Free blood sugar testing and free blood pressure measurement campus are conducted at times.
- Through the store we try to train our students for possible entrepreneurship.
- Products from PMBJK were tested for their quality in the laboratories of the college and comparing with branded products.

5 Evidence of Success

- Praise received from local people indicate the way of our functioning.
- The sale of few products like mouth rinses, anti-septic solution,
- multi vitamins, sanitary napkins etc. depicts the way people are adopting to generics.
- Since inception our purchase stands at a value of Rs. 182906 till date while sales are at Rs. 200758/- indicating that people are slowly moving towards generic system which are at affordable cost.
- PMBJK products tested in the college laboratories complied with the quality standards, creating confidence about the generic products.

6 Problems Encountered and Resources Required:

- Processing of drug license took some time
- Creating awareness among public took time
- Faced problems initially in convincing people about the quality of medicines sold and it was resolved soon.
- Accommodation, finance, equipment etc. were provided by the college and hence, there were no issues regarding resources.

7 Notes

- Keeping present scenario in mind our institute believes that in future, for the sake of health care management basically considering economic status generics will be more in demand thus we try to keep abreast with the same.
- The students and staff of the college are greatly benefitted in several ways, like getting exposure to medical store environment, patient counseling, storage of medicines, accounting practices etc. besides getting medicines at lower prices.

BEST PRACTICE - II

1 Title of the Practice

INSPIRON FOR TRAINING, PLACEMENT, ENTREPRENEURSHIP AND START-UP

2 Objectives of the Practice

- To serve as a bridge between the aspirants and potential employers and help students have experience about the work environment of the industries, medical stores, or other professional units.
- To create awareness about the current challenging market scenario.
- To fulfill the staff requirements of potential employers with the primary goal to contribute towards health care as well as economic growth.
- To help students learn about the entrepreneurial skills so that they can contribute to the society by acting as a job provider.

3 The Context

Most of our students are from rural areas belonging to middle or lower economic strata. These students mostly join with the aim of getting good jobs after completion of their course. So, our Training and Placement cell always keeps an eye on the students and their needs and train them in recruitment protocols.

Even the sub cell of Entrepreneurship and Start up Cell inspires students to develop creative thinking so that they start to learn about creation of new jobs.

4 The Practice

- Every year after the Orientation Program, briefings from the Director and Principal to the students on the various career paths open to Pharmacy professionals, the Training and Placement Officer (TPO) explains the T&P cell activities and procedures followed in the college.
- The T&P cell lists out the organizations that would impart the hands on training to the students. They collect the list of interested candidates opting to receive training in various departments based on their interest like Production, QA and QC, packing, microbiology unit etc.
- Students are given special training through T&P cell, skill development professional for communication and CV building ideas along with personality development, so that the students can professionally present themselves.
- T&P cell takes all steps and measures for on campus and off campus drives throughout the year by consulting with the HR managers or other key persons of the industry.
- CVs of the candidates that meet the requirements of the positions that are open are shared with the company after institutional short-listing and interviews arrangements are done.
- Some times pre interview talks are arranged with the company experts to give idea about the company to the students. The entrepreneurial skills are developed through various programs for all admitted batches of the students.

5 Evidence of Success

- The placement of the students in numerous pharmaceutical giants like Cipla, Dr. Reddy's Laboratories, IPCA, Laurus labs, Solaris, Cognizant, Macleods, Fresenius Kabi, Zydus Cadila, Tropiox Pvt. Ltd. Lupin, Apollo, Hetero Drugs, Sun Pharma, Bharat Biotech etc. speak about the success of the efforts laid by T&P.
- Being inspired by entrepreneurship few of our students have started their own firms and are now generating scopes for employment opportunities for others.

6 Problems encountered and Resources Required

- Lack of well-established pharmaceutical industries in the state.
- Lack of communication ability of students due to low confidence in English language.
- Frequent change of mind set of a students for selection of job positions.

7 Notes

- Keeping present scenario in mind our institute believes that in future, emphasis should given for jobcreators. In order to fulfill this, the Entrepreneur and Start up-Cell initiatives have become more

proactive.

File Description	Document
Best practices as hosted on the Institutional website	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:

All Round Development of Students and Staff:

All round development of students and staff with good human values is the priority and thrust area of Royal College of Pharmacy and Health Sciences and we put all our efforts in that direction.

Vision: The vision of the college is to emerge as an advanced center of professional learning and research of International standing in the field of Pharmaceutical Education and Research with good human values.

Mission: The mission aims to equip the students with the best of technical knowledge & skills, nurture scientific temperaments, identify hidden talents, inculcate professional ethics and human values and provide opportunities for students to realize their full potential, thus mould them into professionally superior and ethically strong global manpower with the ability to adapt to an intellectually and technologically changing environment and to become future leaders.

Right after the admission of students into the college, an orientation programme is organized in which the students as well as their parents participate. A thorough briefing is given regarding the courses in which they are admitted and the opportunities available for prospering in the field. They are also advised regarding the rules of discipline of the college for effective teaching learning activities and all round development of students with good human values. They are also explained regarding neatness, hygiene, green campus, prevention of wastage of resources like water, food, electricity etc. and they were advised to follow these practices.

Following the orientation programme, the students are made to go through an induction programme of 3 weeks duration, during which they are taught about various aspects of profession, skills, universal human values etc.

The Universal Human Values component, which acts as an anchor, develops awareness and sensitivity, feeling of equality, compassion and oneness, draw attention to society and nature, and character to follow through. It makes the students reflect on their relationship with their families, class mates, hostel staff and others. It also connects students with each other and with teachers so that they can share any difficulty they might be facing and seek help

The Induction Program is designed to make the newly joined students feel comfortable, sensitize them towards exploring their academic interests and activities, reducing competition and making them work for excellence, promote bonding within them, build relations between teachers and students, give a broader view of life, and building of character.

The college provides an academic friendly environment for effective Teaching – Learning activities. Teachers use power point presentations and smart boards in the classes to make the classes more interesting and students understand better. Online – content and other video lectures are also used to give a clear understanding, especially of the equipment, instruments etc used in pharmaceutical industries etc. However, the conventional black board teaching component remains as part of their teaching.

During Covid-19 pandemic period, on-line classes were held both in theory and practicals to save time. The students could appear for the examinations ontime without losing the valuable time. The examinations were also held online. Even mock interviews and other preparations for interviews were arranged online and the candidates could successfully go through the interviews and were appointed in some industries.

In addition to the classroom interactions, following are the other methods of learning experiences provided to the students:

Project work

- Short term Industrial visit or Internships.
- Oral presentations
- Seminars/ Symposiums/ Workshops
- Paper presentations/ Group discussions
- Providing access to e-journals and e-books by use of ICT in delivering and learning process
- Emphasis is paid to obtain feedback from parents, students, faculty members and alumni through informal contact to obtain information about qualitative changes which are required.

Feedback System

- Students give feedback about the faculty at the end of each session or semester.
- Feedback is taken from the parents of the wards.
- Feedback is also taken from alumni

The students play major role in the events like Annual Day (Royal Vibrations), National Pharmacy Week, Pharmacists Day etc., which are being organized by the college and inculcate the qualities of co-operation, co-ordination and team work.

Personality development programs and seminars are being conducted from time to time to improve communication skills & soft skills of the students. Social Responsibility activities like Go Green Activity

through plantation,· Blood Donation· Visiting Hospitals· & Interacting with patients and distribution of nutritious food, plantation and visiting nearby villages and helping them according to their requirements, organizing health camps, awareness programmes, Swatch Bharat activities etc.

Achievement: .

- Improved students understanding in domain knowledge.
- Improved results and pass percentage.
- Reduced backlogs and detention.

Improved communication skills

Improved behavioural changes

- Improved placements and opting for higher studies

By adopting all these means, the college could achieve the expected results of all round development of many students. Excellent feedback from the employers was received in respect of many students passed out from RCPHS. Also some faculty members got better opportunities outside with experience in Royal College.If any staff members from Royal College appear for interviews in other organizations, they are preferred over many others because of the Royal culture and experience which brings us pride and more commitment to our duties and responsibilities.

File Description	Document
Appropriate web in the Institutional website	View Document

5. CONCLUSION

Additional Information :

Royal College of Pharmacy and Health Sciences is considered as a Model Pharmacy College in the state of Odisha. The college is known for its discipline, standards and the human values emphasized and maintained. Establishment of this college prompted many other institutions in the region to improve their own standards and to promote the welfare of their staff members and students. The college is able to maintain a high faculty retention of about 95%. Admission in UG program is 100%, and PG programmes is around 80%. Placement and Higher studies engagement are nearly 95%. 70 KVA Roof top Solar Power Plant installed in college, takes care of the energy requirements of the campus. A standby Diesel Generator (125 KVA) has also been installed for uninterrupted power supply. The college has separate hostels for boys and girls in the campus. 2 deep bore wells meet the water requirements, and a 500 Lt/ hour RO water plant supplies drinking water for the college and the hostels.

The college has been striving to excel in academic and research perspectives, and promotes holistic growth of all the students and staff. The college has been successfully implementing academics planning, continuous internal evaluation, mentorship program, signing collaborations with industries and hospitals etc. The college organizes co-curricular and extra-curricular events, industrial visits, field trips, health camps, awareness camps, electoral awareness camps etc. The institute has implemented systems to prevent discrimination on basis of gender, caste and provides a hassle-free environment where young minds are nurtured and grow unhindered. The institute leadership is not complacent with the achievements but constantly focuses on further improvement. Staff are encouraged to carry out research activities, apply for grants and patents and provide consultancy services. They are also encouraged to attend and organize seminars, conferences etc. Plans to implement NEP 2020 are in place. Faculty members are encouraged to write pharmacy books in local language.

Concluding Remarks :

Royal College of Pharmacy and Health Sciences is a well reputed organization that continuously works towards achieving the preset goals, which are at par with the attributes set by the PCI, AICTE, UGC, or any other premier academic institution world wide.

The Institute follows regulatory guidelines set by PCI, AICTE and BPUT. The admissions are as per the rules and regulation of Govt. of Odisha. The college is affiliated to Biju Patnaik University of Technology (BPUT), Odisha, Rourkela. The course structure and syllabus for B.Pharm and M.Pharm program are prescribed by PCI. Co-curricular and Extracurricular activities are planned to enrich the curriculum and overall development of the students. The vision, mission, program educational objectives (PEOs) set up by the institution in consultation with stakeholders. Program outcomes are fixed as per NBA, and course outcomes are defined as per PCI guidelines and modified wherever required. The college has constituted various committees for effective implementation and monitoring of the academic activities in the college.

Mentor-Mentee system, adherence to University academic calendar and implementation of code of conduct collectively ensure the academic discipline in the college. The training & placement cell offers placement support, personality development, soft skill development, competitive examination training including career counseling to students. The co-curricular and extracurricular activities are organized by the respective

committees for overall development of students. Gender equality is ensured by providing equal opportunities /representation to male and female students/employees. The college conducts social and social healthcare activities as its outreach program. The Royal Alumni Association of the college has been providing support to students and college for all round development. College administration and the Management put in their untiring efforts to take the organization to greater heights.

Availability of good number of senior faculty due to faculty retention, discipline, human values, commitment and coordinated efforts of the staff, students, management & other stake holders contribute greatly for the success & growth of the college.

We take this opportunity to express our sincere gratitude to NAAC authorities for the opportunity given for preparation and submission of SSR for Assessment and Accreditation.

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																									
2.1.1	Enrolment percentage 2.1.1.1. Number of students admitted year wise during last five years Answer before DVV Verification: <table><tr><td>2021-22</td><td>2020-21</td><td>2019-20</td><td>2018-19</td><td>2017-18</td></tr><tr><td>157</td><td>157</td><td>131</td><td>137</td><td>112</td></tr></table> Answer After DVV Verification : <table><tr><td>2021-22</td><td>2020-21</td><td>2019-20</td><td>2018-19</td><td>2017-18</td></tr><tr><td>153</td><td>153</td><td>132</td><td>142</td><td>138</td></tr></table> 2.1.1.2. Number of sanctioned seats year wise during last five years Answer before DVV Verification: <table><tr><td>2021-22</td><td>2020-21</td><td>2019-20</td><td>2018-19</td><td>2017-18</td></tr></table>	2021-22	2020-21	2019-20	2018-19	2017-18	157	157	131	137	112	2021-22	2020-21	2019-20	2018-19	2017-18	153	153	132	142	138	2021-22	2020-21	2019-20	2018-19	2017-18
2021-22	2020-21	2019-20	2018-19	2017-18																						
157	157	131	137	112																						
2021-22	2020-21	2019-20	2018-19	2017-18																						
153	153	132	142	138																						
2021-22	2020-21	2019-20	2018-19	2017-18																						
2.1.2	Percentage of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy) during the last five years (Exclusive of supernumerary seats) 2.1.2.1. Number of actual students admitted from the reserved categories year - wise during the last five years Answer before DVV Verification: <table><tr><td>2021-22</td><td>2020-21</td><td>2019-20</td><td>2018-19</td><td>2017-18</td></tr></table> 2.1.2.2. Number of seats earmarked for reserved category as per GOI/ State Govt rule year wise during the last five years Answer before DVV Verification: <table><tr><td>2021-22</td><td>2020-21</td><td>2019-20</td><td>2018-19</td><td>2017-18</td></tr><tr><td>38</td><td>38</td><td>38</td><td>28</td><td>28</td></tr></table> Answer After DVV Verification : <table><tr><td>2021-22</td><td>2020-21</td><td>2019-20</td><td>2018-19</td><td>2017-18</td></tr><tr><td>37</td><td>33</td><td>33</td><td>33</td><td>25</td></tr></table>	2021-22	2020-21	2019-20	2018-19	2017-18	2021-22	2020-21	2019-20	2018-19	2017-18	38	38	38	28	28	2021-22	2020-21	2019-20	2018-19	2017-18	37	33	33	33	25
2021-22	2020-21	2019-20	2018-19	2017-18																						
2021-22	2020-21	2019-20	2018-19	2017-18																						
38	38	38	28	28																						
2021-22	2020-21	2019-20	2018-19	2017-18																						
37	33	33	33	25																						
2.6.2	Pass percentage of Students during last five years 2.6.2.1. Number of final year students who passed the university examination year wise during the last five years Answer before DVV Verification:																									

2021-22	2020-21	2019-20	2018-19	2017-18
145	122	94	79	65

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
145	122	94	79	66

2.6.2.2. Number of final year students who appeared for the university examination year-wise during the last five years

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
148	125	96	82	68

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
154	125	96	82	68

3.3.1 Number of research papers published per teacher in the Journals notified on UGC care list during the last five years

3.3.1.1. Number of research papers in the Journals notified on UGC CARE list year wise during the last five years

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
20	06	04	06	11

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
18	07	05	09	10

Remark : Input edited as per supporting documents. Publication during 2022 can not be considered

2.Extended Profile Deviations

ID	Extended Questions
1.1	Number of teaching staff / full time teachers during the last five years (Without repeat count): Answer before DVV Verification : 47 Answer after DVV Verification : 72