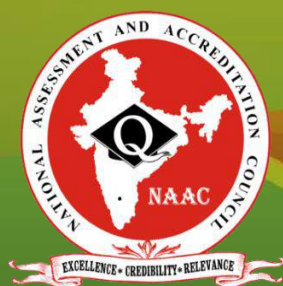# ANNUAL QUALITY ASSURANCE REPORT
(AQAR)
2015-2016

ANAND PHARMACY COLLEGE

Managed by Shri Ramkrishna Seva Mandal
Opp. Town Hall, Anand, 388 001, Gujarat, INDIA
+91-2692-250020 | principal@apc.ac.in | www.apc.ac.in

Submitted to NAAC

National Assessment and Accreditation Council

An Autonomous Institution of the University Grants Commission
P.O. Box No.: 1075, Nagarbhavi,
Bangalore – 560072, Karnataka, INDIA

e-mail to: capuaqar@gmail.com

Internal Quality Assurance Cell (IQAC)

and Submission of Annual Quality Assurance Report (AQAR) in

Accredited Institutions

राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद्

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

P. O. Box. No. 1075, Opp. NLSIU, Nagarbhavi, Bangalore - 560 072 India.

Table of Contents

List of annexures:

PART – A

1. DETAILS OF THE INSTITUTION

1.1. Name of the Institution: Anand Pharmacy College

1.2. Address Line 1: Shri Ramkrishna Seva Mandal Campus,

   Address Line 2: Opp. Town Hall

   City/Town: Anand

   State: Gujarat

   Pin Code: 388 001

   Institution e-mail address: principal@apc.ac.in

   Contact No.: 02692-250020

   Name of the Head of the Institution: Dr. Tejal R. Gandhi

   Tel. No. with STD Code: 02692-250020

   Mobile: +91-9825074167

   Name of the IQAC coordinator: Dr. Kalpana G. Patel

   Mobile: +91-9825587547

   IQAC e-mail address: kalpana_jpatel@yahoo.com

1.3. NAAC Track ID (For ex. MHCOGN 18879): GJCOGN 13860

1.4. NAAC Executive Committee No. & Date: 03-03-2015

1.5. Website address: www.apc.ac.in

   Web-link of the AQAR: http://www.apc.ac.in/IQACcell.aspx

1.6. Accreditation Details

Sr.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1.	1st Cycle	B	2.68	15-06-2009	14-06-2014
2.	2nd Cycle	A	3.06	03-03-2015	02-03-2020

1.7. Date of Establishment of IQAC: 16/06/2009

1.8. AQAR for the year *(for example 2010-11)*: 2015-16

1.9. Details of the previous year's AQAR

   Submitted to NAAC after the latest Assessment and Accreditation by NAAC

   (For example AQAR 2010-11 submitted to NAAC on 12-10-2011)

   AQAR: 2015-16 (10-07-2016)

AQAR: 2014-15 (09-07-2015)

AQAR: 2013-14 (05-06-2014)

AQAR: 2012-13 (20-06-2013)

AQAR: 2011-12 (30-04-2012)

AQAR: 2010-11 (09-05-2011)

AQAR: 2009-10 (27-05-2010)

1.10. Institutional Status

University	State	Central	Deemed	Private
Affiliated College	Yes ☑	No		
Constituent College	Yes	No		
Autonomous college of UGC	Yes	No		
Regulatory Agency approved Institution	Yes ☑ (AICTE, PCI)		No	

Type of Institution	Co-education ☑	Men	Women
	Urban ☑	Rural	Tribal

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

1.11. Type of Faculty/Programme

Arts	Science ☑	Commerce	Law	PEI (Phys Edu)
TEI (Edu)	Engineering	Health Science	Management	
Others (Specify)				

1.12. Name of the Affiliating University (for the Colleges):

Gujarat Technological University, Ahmedabad

1.13. Special status conferred by Central/ State Government:

UGC / CSIR / DST / DBT / ICMR, etc. Not applicable

Autonomy by State / Central Govt. / University

University with Potential for Excellence	UGC-CPE
DST Star Scheme	UGC-CE
UGC-Special Assistance Programme	DST-FIST
UGC-Innovative PG programmes	Any other (*Specify*)
UGC-COP Programmes	

2. IQAC COMPOSITION AND ACTIVITIES

2.1. No. of Teachers: 10

2.2. No. of Administrative/Technical staff: 01

2.3. No. of students: 00

2.4. No. of Management representatives: 01

2.5. No. of Alumni: 00

2.6. No. of any other stakeholder and community representatives: 00

2.7. No. of Employers/ Industrialists: 00

2.8. No. of other External Experts: 01

2.9. Total No. of members: 13

2.10. No. of IQAC meetings held: 04

2.11. No. of meetings with various stakeholders: No. >50
    Faculty ☑   Non-Teaching Staff ☑   Students ☑   Alumni ☑   Others

2.12. Has IQAC received any funding from UGC during the year?
    Yes   No ☑   If yes, mention the amount

2.13. Seminars and Conferences (only quality related): Nil
    (i) No. of Seminars/ Conferences/ Workshops/ Symposia organized by the IQAC
    Total Nos.   International   National   State   Institution Level
    (ii) Themes

2.14. Significant Activities and contributions made by IQAC
    Planning, execution, monitoring, auditing, reviewing and reporting of various activities and systems for quality assurance of the institution continuously.

2.15. Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality Enhancement and the outcome achieved by the end of the year*

Plan of Action	Achievements
Academics	Received four gold medals at GTU for academic excellence by students of M. Pharm.
Research	Received 2 international and 8 national level awards by faculty and many state level awards by PG students
Administration and governance	-

* Attach the Academic Calendar of the year as **Annexure: 1**.

2.16. Whether the AQAR was placed in statutory body

Yes ☑   No

Management ☑   Syndicate   Any other body ☑

Provide the details of the action taken: AQAR was presented and approved in the governing body in detail along with the achievements and task carried out for various activities of the institution.

PART – B

CRITERION – I

1. CURRICULAR ASPECTS

1.1. Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented program
PhD	01	-	-	-
PG	06	-	-	-
UG	01	-	-	-
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	-	-	-	01
Others	-	-	-	-
Total	**08**	**-**	**-**	**01**

Interdisciplinary	-	-	-	-
Innovative	-	-	-	-

1.2. (i) Flexibility of the Curriculum:

CBCS/ Core/ Elective option/Open options:

Electives are offered in B. Pharm. 7th Semester (12 Subjects) and 8th Semester (12 Subjects) as per Gujarat Technological University norms.

(Annexure: 2)

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	B. Pharm.: 08 M. Pharm.: 04
Trimester	-
Annual	-

1.3. Feedback from stakeholders*

Alumni ☑   Parents ☑   Employers ☑   Students ☑   (On all aspects)

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

*Please provide an analysis of the feedback in the **Annexure: 3**

1.4. Whether there is any revision/update of regulation or syllabi?

If yes, mention their salient aspects.

- Two faculties of the teaching staff (Dr. Tejal R. Gandhi and Dr. Kalpana G. Patel) are members of the syllabus revision committee at the level of GTU. The syllabus revision committee of GTU comprises of members from GTU affiliated college as well as members from other universities. So feedback is taken from members of other universities also. Based on that syllabus is designed or revised.

- Subject like Pharmaceutical Chemistry-IX, X and Pharmacology & Pharmacotherapeutics-III, IV of 7th and 8th semester B. Pharm were revised during this academic year. Total 24 elective subjects were also incorporated in 7th and 8th semester B. Pharm for upgrading knowledge about recent trends in Pharmacy practice.

- The institute also collects the feedback from academic peers (affiliated to GTU and other Universities across and outside Gujarat) or eminent persons from industry/ employers on curriculum who often visits our Institute for conducting exams or guest lecture etc. A summarized report is prepared of their feedback and is forwarded to GTU through the Principal who is also the Dean at GTU and one of the other faculties of our College, Dr. Kalpana G. Patel who are members of syllabus committee of GTU. Thus their inputs are considered whenever the syllabus is designed or revised.

- The revised syllabus is implemented after seeking the approval from the University from the new academic year. The designed syllabus is sent to all GTU affiliated institutions and as per their suggestions syllabus is finalized.

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

No.

CRITERION – II

2. TEACHING, LEARNING AND EVALUATION

2.1. Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
25	18	02	05	-

(Annexure: 4)

2.2. No. of permanent faculty with Ph.D.: 06

(Annexure: 5)

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

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
5	0	0	0	0	0	0	0	5	0

2.4. No. of Guest and Visiting faculty and Temporary faculty: 21 # 00 # 00

(Annexure: 6)

2.5. Faculty participation in conferences and symposia

No. of Faculty	International level (no. of faculty)	National level (no. of faculty)	State level (no. of faculty)
Attended Seminars/ Workshops	05	08	23
Presented papers	09	02	00
Resource Persons	02	05	16

(Annexure: 7)

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

1. Project based learning, Computer assisted learning, E – resources containing online quiz examinations, Experimental learning through various software, Seminars, etc. use of teaching Models and Charts during practical hours, audio-visual aids.

2. Computer assisted learning, facilities such as LCD Projector, OHP, Computers, and Internet, web resources.

3. ICT enabled teaching via mobile phone or tablets.

4. Presentation of seminars, research papers with innovative teaching module, use of expert software for statistical and mathematical modelling.

5. Comprehensive evaluation of the students is performed periodically through quiz, oral viva test, assignment writing, unit test, online MCQ test etc.

6. Industrial visits as a part of experimental learning. Contributory Personality Development programme includes various activities like skit, debate competition, and Group Discussion, Resume writing, mock interview, pre-placement training etc. Finishing school is also conducted for first year B. Pharm students for the overall grooming of students.

7. Health check-up camp, guest lectures, conducts various state level workshops, conferences and State and National level Elocution competition for up gradation of knowledge and overall development.

8. To develop presentation, writing and managerial skills institution publishes student magazine "AWAKE" which is managed by students. This magazine provides platform to all the students to present their ideas, knowledge and extra-curricular skills.

9. Providing facility of printed journals enables the students for reading with regular updates in existing practical sessions and inclusion of new practical sessions.

10. Providing study material to slow and advanced learners.

11. Some of these tasks are beyond syllabus to encourage outstanding students to develop their self- learning capabilities.

12. Minor research projects are given to the students to hone their research acuity and practical skills. The students have space and time to explore and implement their ideas regarding minor research projects.

13. Digital library facility is available in central library where students can access all kinds of e-journals.

14. A state of art University recognized Research center is available for the students to develop applications and projects.

15. Involvement of students in National Service schemes, NCC, nature clubs, readers' club, photography club, short films, etc., not only develops the inner skills of the students but also provides platform to learn beyond curricula. The students get exposed to the outer world and its challenges.

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

B. Pharm.		M. Pharm.	
Semester	Teaching days	Semester	Teaching days
I	77*	I	73*
II	86	II	87

III	90		III	90
IV	86		IV	89
V	90			
VI	85			
VII	90			
VIII	85			

*as per academic calendar of Gujarat Technological University, however make up classes were conducted to cope up with the syllabus.

2.8. Examination/ Evaluation Reforms initiated by: Photocopy

The Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, and Online Multiple Choice Questions)

2.9. No. of faculty members involved:

In curriculum restructuring / revision: 04 / syllabus development as member of Board of Study: 02 / Faculty / Curriculum Development workshop: 02

2.10. Average percentage of attendance of students: 75

2.11. Course/Programme wise distribution of pass percentage:

Title of the Programme: **B. Pharm.**	Total no. of students appeared	Division					Student with result pending (Detained, Backlog, others)
		Distinction %	I %	II %	III %	Pass %*	
2nd Semester	57 (16/07/2015)	35.8	8.7	22.80	-	33.33	-
4th Semester	33 (16/07/2015)	51.5	12.12	18.18	-	18.18	-
6th Semester	38 (16/07/2015)	42.10	39.47	18.42	-	00	-
8th Semester	50 (16/06/2015)	70	14	14	-	2	-
1st Semester	100 (02/03/2016)	26	14	22	-	38	UFM: 01
3rd Semester	50 (25/02/2016)	44	12	18	-	26	UFM: 01, Detained: 02, Cancel: 04

| 5th Semester | 30 (24/02/2016) | 53.33 | 16.66 | 23.33 | - | 6.66 | Detained: 04 |
| 7th Semester | 38 (16/02/2016) | 39.47 | 39.47 | 18.42 | - | 2.63 | - |

* Students having no backlog

Title of the Programme: **M. Pharm.**	Total no. of students appeared	Division					Student with result pending (Detained, Backlog, others)
		Distinction %	I %	II %	III %	Pass %*	
2nd Semester (Pharmacology)	4 (20/07/2015)	25	50	00	-	25	-
2nd Semester (Pharmaceutics 1st shift)	10 (20/07/2015)	90	10	00	-	00	-
2nd Semester (Pharmaceutics 2nd shift)	08 (20/07/2015)	87.5	12.5	00	-	00	-
2nd Semester (Quality Assurance 1st Shift)	12 (20/07/2015)	75	16.66	8.33	-	00	-
2nd Semester (Quality Assurance 2nd Shift)	04 (20/07/2015)	50	50	00	-	00	-
4th Semester (Pharmacology Phase-II)	01 (20/07/2015)	100	00	00	-	00	-
4th Semester (Pharmaceutics 1st shift)	13 (09/06/2015)	100	00	00	-	00	Cancel: 01
4th Semester (Pharmaceutics 2nd shift)	13 (09/06/2015)	84.61	15.38	00	-	00	-
4th Semester (Quality Assurance 1st Shift)	15 (09/06/2015)	93.33	6.66	00	-	00	-
4th Semester (Quality Assurance 2nd Shift)	07 (09/06/2015)	100	00	00	-	00	-
1st Semester (Pharmacology)	03 (24/02/2016)	100	00	00	-	00	-
1st Semester (Pharmaceutics 1st shift)	09 (24/02/2016)	66.66	22.22	11.11	-	00	-
1st Semester (Quality	12 (24/02/2016)	58.33	25	16.66	-	00	-

Assurance 1st Shift)							
3rd Semester (Pharmacology)	04 (09/02/2016)	75	00	25	-	00	-
3rd Semester (Pharmaceutics 1st shift)	10 (09/02/2016)	100	00	00	-	00	-
3rd Semester (Quality Assurance 1st Shift)	12 (09/02/2016)	83.33	16.66	00	-	00	-

* Students having no backlog

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

The Institute has formed IQAC to ensure continuous improvement in the entire operations of the institution by effective planning, execution, monitoring, reporting various activities of the institution and to assure stakeholders connected with higher education namely, students, parents, teachers, staff, and would-be employers, funding agencies and society in general of the accountability of the institution for its own quality. Standard operative procedure for conduction of lectures and practical, monitoring of regular schedule of lecture practical, Lecture practical adjustment system if faculty unable to take lecture practical as per pre-planned schedule, reporting of reason for variation in conducting regular lecture practical session. IQAC also chalks out the plan as and when necessary after reviewing the teaching learning process and systems for continuous up gradation of quality.

Academic calendar is prepared on monthly basis with details of each academic, exam and non-academic activity. Pre-planning of lecture practical before commencement of semester as well schedule of extra classes are intimated in advance to the students via academic calendar and notice as display on central LCD, so student can remain aware about extra/ remedial classes taken by particular faculty. To strengthen security, institute has installed CCTV in strategic points as well as lecture halls for centralized surveillance. Total 76 CCTV Camera are available at each premises. Personal goals of staff are integrated with the goals of the institute through KPA/KRA and API thereby aiming progress at all levels. Channelized feedback mechanism at all levels, with effective and timely action helps us in self introspection and improvement.

2.13. Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	13
UGC – Faculty Improvement Programme	13
HRD programmes	-
Orientation programmes	03
Faculty exchange programme	-
Staff training conducted by the university	02
Staff training conducted by other institutions	00
Summer / Winter schools, Workshops, etc.	00
Others	-

* Benefited in forms of financial assistance

2.14. Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	08	00	01	00
Technical Staff	06	00	03	00

CRITERION – III

3. RESEARCH, CONSULTANCY AND EXTENSION

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

IQAC always strives for excellence in research by multidisciplinary research where the research committee of the institution believes in innovative multidisciplinary research.

A. The research climate in the institution is promoted via following objectives:

1. Resource mobilization by applying for grants and to facilitate the smooth implementation of research schemes/ projects
2. Promotion of multi/interdisciplinary research
3. Progress of minor research projects at UG and PG level
4. To promote research publications and awards in various departments
5. Contribution at GTU level

B. Promotion of collaborative linkages with industry/ others

1. Inter-institutional collaborative projects and MOUs
2. Industrial training
3. Hospital training
4. Pharmacy store training

C. Promotion of institute – institute interaction

D. Promotion of consultancy activities

E. Promotion of CE activities

   Organization of conferences, seminars and workshop, DOE program

F. Encouragement of faculty to register for PhD program.

G. IPR cell for monitoring ethics in research and applying for patents.

1. Organizing a lecture for thesis writing.
2. To enhance research at a competitive global platform.

3.2. Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	00	02	04	01
Outlay in Rs. Lakhs	00	4,43,307/-	10,49,805/-	-

(Annexure: 8)

3.3. Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	01	16	03	00

Outlay in Rs. Lakhs	75,000/-	8,93,523/-	*5,60,000/-	-

*sanctioned, but amount yet to be received. **(Annexure: 9)**

3.4. Details on research publications

	International	National	Others
Peer Review Journals	09	08	-
Non-Peer Review Journals	-	-	-
e-Journals	-	-	-
Conference proceedings	04	-	-

(Annexure: 10)

3.5. Details on Impact factor of publications

Range: 0.10 – 2.19   Average: 1.145   h-index: 68   Nos. in SCOPUS: 15

(Annexure: 11)

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

Nature of the Project	Duration Year	Name of the funding Agency	Total grant Sanctioned	Received
Major projects	2 years	Gujarat Science technology Department (GUJCOST)	39,84,992/-	19,22,809/-
	3 years	Department of Science and Technology Science and Society Division		
Minor Projects	2 years	Gujarat Science technology Department (GUJCOST)	30,95,100/-	15,24,112/-
	3 years	National Innovation foundation		
Interdisciplinary Projects	1 year	Dairy Science Department, Anand Agricultural University	40,000/-	40,000/-
Industry sponsored	1 year	Pharmanza herbal Pvt. Ltd.	5,00,000/-	2,00,000/-

Projects sponsored by the University/ College	2 years	Shri Ramkrishna Seva Mandal	25,000/-	21,090/-
Students research projects *(other than compulsory by the University)*	1 year	GUJCOST Student Sci-Tech	88,981/-	88,981/-
Any other (Specify)	-	-	-	-
		Grand Total	77,340,73/-	35,80,992/-

3.7. No. of books published,

    i) With ISBN No.: 00   Chapters in Edited Books: 00

    ii) Without ISBN No.: 00

3.8. No. of University Departments receiving funds from: Not Applicable

    UGC-SAP   CAS   DST-FIST   DPE

    DBT Scheme/funds

3.9. For colleges: Not Applicable

    Autonomy   CPE   DBT Star Scheme

    INSPIRE   CE   Any Other (specify)

3.10. Revenue generated through consultancy: Rs. 1,65,542/-

    (Annexure: 12)

3.11. No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	02	01	03	00	01

    (Annexure: 13)

3.12. No. of faculty served as experts, chairpersons: 01, resource persons: 07

3.13. No. of collaborations: International: 02   National: 28   Any other

    (Annexure: 14)

3.14. No. of linkages created during this year: 47

(Annexure: 15)

3.15. Total budget for research for current year in lakhs:

From funding agency: 36,10,912/-

From Management of University/ College: 7,36,900/-

Total: 43,47,812/-

(Annexure: 16)

3.16. No. of patents received this year: Nil

Type of Patent		Number
National	Applied	01
	Granted	00
International	Applied	00
	Granted	00
Commercialised	Applied	00
	Granted	00

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

	Total	International	National	State	University	Dist	College
Faculty	03	01	02	00	00	00	00
Student	05	00	01	01	03	00	00

(Annexure: 17)

3.18. No. of faculty from the Institution who are Ph. D. Guides: 05 and students registered under them: 07

3.19. No. of Ph.D. awarded by faculty from the Institution: 01

3.20. No. of Research scholars receiving Fellowships

(Newly enrolled + existing ones): JRF: 01   SRF   Project Fellows   Any other

3.21. No. of students Participated in NSS events,

University level: 50   State level: 00

National level: 00   International level: 00

(Annexure: 18)

3.22. No. of students participated in NCC events,

      University level: 00   State level: 02

      National level: 00   International level: 00

      (Annexure: 19)

3.23. No. of Awards won in NSS,

      University level: 00   State level: 00

      National level: 00   International level: 00

3.24. No. of Awards won in NCC:

      University level: 00   State level: 01

      National level: 00   International level: 00

      (Annexure: 20)

3.25. No. of Extension activities organized

      University forum: 00   College forum: 15

      NCC: 01   NSS: 14   Any other

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

- International Yoga Day Celebration
- Swachhta Abhiyan
- Karate Training for Girls
- Tree Plantation
- Independence Day Celebration
- Blood Donation and Thalassemia Camp
- Special Camp at Adopted Village Surasamal, Nadiad.
- Donation to Sainik Welfare Fund and Blind People.

CRITERION – IV

4. INFRASTRUCTURE AND LEARNING RESOURCES

4.1. Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	-	-	-	-
Class rooms	16 (UG & PG)	-	-	-
Laboratories	12 (UG) & 06 (PG)	-	-	-
Seminar Halls	01	Existing Seminar Hall now demolished and new hall is under construction.	SRKSM	Work in Progress
No. of important equipment purchased (≥ 1-0 lakh) during the current year.	-	-	-	-
Value of the equipment purchased during the year (Rs. in Lakhs)	-	Clinical Chemistry Analyzer: 3,42,400/-	APC	3,42,400/-
Others	-	-	-	-

4.2. Computerization of administration and library

The Library is equipped with reading room, internet, multimedia and reprographic facilities. Books are completely bar-coded. We utilize soul software (version 2.0) for the smooth conduction of library work. Tailor-made book bank facility (free and paid) is also available in the library.

The process of computerization of the institute administration is progressing. All data related to academic, non-academic activities, exam results have been computerized in MS excel and computerization was also extended to other aspects of office administration like issuing of certificates, pay related etc.

4.3. Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value

Text Books	10,824	30,69,513	216	82,336	11,040	31,51,849
Reference Books	802	19,09,317	1	9306	803	1918623
e-Books	-	-	-	-	-	-
Journals	475	12,79,749	36	46,802	511	13,26,551
E-Journal	Science Direct-75 (2011)	3,49,150				
	Science Direct-70 (2012)	2,33,550				
	Bentham-30 (2012)	51,900				
	Del-Net-85 (2014)	16,500				
	Science Direct 70 (2015) Del-Net (68)	3,39,885 11,500	Del Net (2016)	11,500	398	10,13,985
Digital Database	-	-	-	-	-	-
CD & Video#	159	-		5	164#	27,142
Others (specify)	-	-	-	-	-	-

 # (Annexure: 21)

4.4. Technology up gradation (overall)

	Total Computers	Compute Labs (Nos.)	Internet	Browsing Centres	Computer Centres	Office (Nos.)	Depart ments (Nos.)	Others (Nos.)
Existing	109	26	24 Mbps	-	-	6	12	64
Added	10	11	00 Mbps	-	-	0	00	00
Total	119	37	24 Mbps	-	-	6	12	64

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

- Intranet Database Training,
- How to connect your Laptop/ Computer/ Pen drive to LCD Projector.
- Libro Office Training,
- GTU Online Viva Marks Entry Training,
- GTU Online Attendance Entry Training
- How to access online Journal training to both Teachers & Students.
- Library SOUL Software how to use Web OPAC facility online

- Installation of Xubuntu operating system in all computers
- Google scholar, Excel (Course planner), thesis writing in word auto format template, PATSEER patent search database

4.6. Amount spent on maintenance in lakhs:

i)   ICT: 38,640/-

ii)   Campus Infrastructure and facilities: 8,65,491/-

iii)   Equipment: 65,366/-

iv)   Others: 64,582/-

       Total: 10,34,079/-

CRITERION – V

5. STUDENT SUPPORT AND PROGRESSION

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

IQAC of the institution has continuously been involved in the enhancement of the student support services including career guidance cell, counselling cell, for disseminating guidance related to future prospects of the career by employers, alumni and foreigner students. The contribution done by IQAC is planning at the start of the academic year related to what sort of activities should be carried out for guidance of students. Moreover, placement cell is also actively involved carrying out various activities by personality analysis test, guidance lectures for resume preparation, facing an interview etc. The aim of placement cell is to place all the students in well, recognized industries, suitable Hospitals and Educational Institutions.

Objectives:
- To bring professionalism and induct motivation, creativity and enthusiasm.
- Exposure to academic, Research & development, industry interactions.
- Meet the needs of global challenges of Pharma
- Fulfil the need of pharmaceutical industry

IQAC motivates the students through their mentors to participate in various activities based on their strengths and weaknesses. The student's skills' are polished and their weaknesses are eliminated to maximum extent during their entire duration of study at the Institute. The students' are represented at different levels in different working committees contributing in various activities of the college.

5.2. Efforts made by the institution for tracking the progression

The institution continuously monitors at various levels of twice weekly, departmental monthly, HOD quarterly meetings for discussion related to not only academic progress but overall progress of the students, by strengthening various mechanisms. Students' monthly attendance and performance in internal examinations is monitored; parents are intimated through phone calls and letters if their ward's attendance is meagre. Meeting is arranged if necessary with the parents. Furthermore, correlation of the activity with attribute developed is also done.

5.3. (a) Total Number of students

UG	PG	PhD	Others
218	62	05	00

(b) No. of students outside the state: 02

(c) No. of international students: 06

B. Pharm.				M. Pharm.			
Men		Women		Men		Women	
No.	%	No.	%	No.	%	No.	%
57	56.43	44	43.56	08	33.33	16	66.67

B. Pharm.

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
43	05	03	11	00	62	76	02	04	19	00	101

M. Pharm.

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
34	01	01	02	00	38	17	01	01	05	00	24

Demand ratio: 100% (UG)

Dropout: 0.91%

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

- Preparation and utilization of GPAT Database containing more than 1200 MCQs in Pharmacology, Pharmaceutics subject and more than 500 MCQ in each subject like Pharmaceutical Chemistry and Pharmacognosy, syllabus, reference list as well GPAT papers from last 8 years.
- Pre-GPAT counselling session has been conducted for third year and final year students.
- In context, Institute had conducted different subject wise guidance Coaching sessions for GPAT preparation from subject specific post graduate students as alumni of Anand Pharmacy college, Anand

- Four Online Pre-GPAT exams using APC MCQ online quiz portal has been conducted so far.
- Total two GPAT Coaching lecture has been conducted by various alumni members for subjects like Pharmaceutics, Instrumental Analysis, Pharmaceutical Analysis, Clinical Pharmacy and overall M. Pharm. career coaching lecture during 2015-16.
- No. of students beneficiaries: 25(How and for what)

5.5. No. of students qualified in these examinations

NET: 00   SET/SLET: 00   GPAT: 02   CAT: 00   IAS/IPS, etc.

State PSC: 00   UPSC: 00   Others GRE: 00

(Annexure: 22)

5.6. Details of student counselling and career guidance

Sr.	Name of person	Topic of guest lecture
1.	Ms. Prachi Karia, PhD Scholar, MS University, Vadodara, conducted on 29-09-2015	GPAT preparation on clinical pharmacology
2.	Ms. Kajal Chavda, Research trainee, B&S Gowrie Healthcare, Vadodara, conducted on 25-07-2015.	GPAT preparation and Pharmaceutics

No. of students benefitted: 25

5.7. Details of campus placement

On campus			Off Campus
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
12	101	27	26

(Annexure: 23)

5.8. Details of gender sensitization programmes.

The institute has formed women cell to increase the awareness, solve women related issues, and organize various women upliftment programme, counselling of women and address to gender sensitizing problems. The objective of the cell encircles around empowering women and enabling students to address their complaints to head of the institute and female faculty members.

Internal complaints committee has been constituted to provide protection against sexual harassment of woman at work place under The Sexual harassment of

women at workplace (Prevention, Prohibition and Redressal) Act enacted in India with effect from 9th December 2013. The committee members shall look after all the matters concerned with above. The committee comprises of five members, viz. Dr. Tejal Gandhi (Presiding Officer), Dr. V. T. Bhamwari, Dr. Rekha Singh, Dr. Kapana Patel and Dr. Sarika Johari as members.

Activities of Women Cell

- Separate Suggestion box is placed in girls' room.
- Frequency of opening suggestion box must be monthly and it is open by women cell secretary only and the information remains confidential and to solve any problems of women.
- To arrange at least three meetings regarding solution of women students problem.
- Women students can directly contact member secretary of the Women Cell for solving their problem related to ragging or sexual harassment.
- The Institutes also have Grievance Redressal Cell, which intended to find solutions for women students problems like ragging, sexual harassment, any kind of physical or mental harassment, etc., if and when they arises. The Grievance Redressal Cell convenes meetings periodically and takes steps to redress the grievance from women students.
- Karate Training for girls was organised from 2nd July 2015 to 10th July 2015 and coaching was done by Wadokai Academy trust to total 64 participants.

5.9. Students Activities

(Annexure: 24)

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

State/ University level: 549   National level: 134   International level: 05

No. of students participated in cultural events

State/ University level: 132   National level: 00   International level: 00

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

Sports: State/ University level: 16   National level: 00   International level: 00

Cultural: State/ University level: 01   National level: 00   International level: 00

5.10. Scholarships and Financial Support

	Number of students	Amount

Financial support from institution	32	1,82,500/-
Financial support from government	10	8,94,330/-
Financial support from other sources (Mukhyamantri Yuva Swavlamban Yojna)	02	50,000/-
Number of students who received International/ National recognitions	00	00/-

5.11. Student organised / initiatives

Fairs: State/University level: 01   National level: 00   International level: 00

Exhibition: State/University level: 00   National level: 00   International level: 00

5.12. No. of social initiatives undertaken by the students: 14

5.13. Major grievances of students (if any) redressed:

Till date no any major grievance was reported but various complaints (11) are received and resolved at first level as per the grievance mechanism of Anand Pharmacy College.

CRITERION – VI

6. GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1. State the Vision and Mission of the institution

Vision: To become the foremost pharmacy college in India, through superior delivery of the pharmacy education and to foster pharmaceutical research programmes through creation of a scientific research community pursuing advanced research and utilizing leading edge technologies for the greater benefit of mankind.

Mission:

- To facilitate educational advancement for its students through imbibing a combination of advanced teaching methods and evolving industry and health care partnership programme.

- To focus on multi-pronged development of students and to prepare them for becoming future leaders in the global community.

- To promote and aid pharmaceutical research programme through instillation of state-of-the art scientific, computing and visualization equipment and research facilities.

- To encourage development and interaction of multi-disciplinary research activities across the campus, through creation of inter-disciplinary partnership, and encouraging intensive interactions between research and industry.

6.2. Does the Institution has a management Information System

- The well-defined organizational structure and responsibilities of individual heads is highly instrumental in ensuring that adequate information is available for the management, to review the activities of the institution.

- According to the policy of the institution, monthly department meetings chaired by the head of the department (HOD) are conducted, which emphasizes on not only maintaining the teaching –learning standards through continuous updates on theory and practical classes conducted and evaluation of results, but also stresses on innovative practices imbibed by the faculty members, research activity undertaken, reports on committee of institutional processes and problems of any stature.

- The principal is briefed about the salient features of the department meeting in HOD meetings which is being conducted three to four times a year.

- Additionally the heads of core committees like administrative, students, academic and human resources updates the principal weekly on various affairs conducted in the institution.

- The principal also gathers updates information from heads of other important committees like, library, exam, research, extension and linkages, ethical and extracurricular on timely basis.

- The mandal is kept informed by the Principal about the progress of the institutional activities in her meetings with them twice a week.

- The Mandal also interact with the principal once every week for the decision making process whereby all the institutional activities are reviewed and analysed thus ensures qualitative development of its institutional progress.

- The institutes' annual report also highlights the activities carried out throughout the year. The Academic Head highlights all this reports at the time of annual function in the presence of members of SRKSM.

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

6.3.1. Curriculum Development

The college is affiliated to the Gujarat Technological University, Ahmedabad. A credit system under semester pattern is followed. The development of the curriculum is done by the University and the institution deploys its action plan for implementation. The teachers are encouraged to translate the curriculum to improve their teaching methods. The Institution contributes to the effective implementation of the curriculum by the participation of teachers in syllabus designing. The institution regularly interacts with them by sending their suggestions for modification in the curriculum and in the syllabi of various subjects.

The college offers Enrichment Courses to supplement the regular academic programs. To integrate the academic programmes and the institution's goals, the college has organized various seminars, intercollegiate programmes, guest lectures, industrial visits, workshops in consultation with the stake holders and receives feedback regularly with reference to curricular aspects.

The Parent-Teacher Meets, Mentor-Mentee Meet, Alumni Meet are organized regularly. The peer to peer guidance lecture for how to appear in interview as well as for competitive exams like GPAT are conducted for advanced learners to promote placement opportunities for the students.

Experts in different fields, academic scholars and entrepreneurs are invited to interact with the staff and students. Extension activities by NSS, IPA NPW, Personality development, Sports, Value Education classes, etc., inculcate social awareness, ethical and moral values. The institution emphasizes on holistic education focusing on the integrated personality of students.

6.3.2. Teaching and Learning

Realizing the importance of institutional responsibilities in Teaching- Learning and Evaluation, the college has many in-built mechanisms. Absolute transparency and systematic methodologies are adopted in the administration process.

The college nurtures critical thinking among the students by incorporating group discussion, presentation of papers, project work, and participation in various activities on campus and off campus. The announcement of course planner, internal examination schedule, guest lectures & seminars is done at the beginning of each semester.

The ICT enabled learning has been introduced in all the departments. Hi-Tech facilities such as LCD Projector. OHP, Computer and Internet are used to facilitate Teaching –Learning Process. Lecture presentations and study material is made available to the students. Online mock exams for GPAT are conducted for the students preparing for entrance exams. Even feedback on faculty, curriculum and institute is collected online which further helps us in lifelong learning and continual improvement in teaching-learning methodology.

Personal and psychological attention are given by the staff of the Guidance and Counselling Committee. The learning outcomes are clearly monitored by the HODs, staff and the mentors. The feedback from students regarding the teaching learning process is instrumental in carrying out necessary changes for further improvement.

6.3.3. Examination and Evaluation

Students are evaluated continuously through quiz and viva in their practical sessions. The evaluated answer sheets are shown to the students for improving their performance in next exam. The external and internal evaluation of the students is carried out for comparison of percentages in both.

Furthermore internal and external question paper review committee has been developed to assure the quality of question papers of internal exams.

6.3.4. Research and Development

Academic excellence is possible only when research culture is promoted and proliferates into the faculty and students. The college promotes research for quality education and academic excellence. Following are the initiatives taken for improvement of the research The Faculty and students are motivated to present papers in National/ International level seminars, conference and workshops.

- To encourage the faculty, seed money is given along with leave on duty to attend the seminars and the registration fee is met by the Management. The staff contributes consultancy services to the various Pharma companies.
- The Teachers and student are involved in consultancy services and try to generate revenue.
- Scientific advisory committee for Master of Pharmacy Since 2013.
- IPR Cell in association with SRC.
- Research facilities provided to PG and Ph.D. scholars during and beyond the college hour.
- Special leave & financial assistance (registration fee and travel grant) to faculty members for FDP.
- Research facilities enhanced with infrastructure and instruments like, fluid bed dryer, HPTLC, Trinocular microscope, spectroflourimeter, Freeze drier, High speed homogenizer, UV-Visible spectroflourimeter, HPLC, BIO PAC and Lab auto coater.
- Enhanced industry institute collaboration by MOU with reputed industry company like Troikaa Pharmaceutical Ltd.
- Resource mobilization by applying for grants and to facilitate the smooth implementation of research schemes/ projects.
- Promotion of multi/interdisciplinary research.
- Motivate the student for minor research projects at UG and PG level.
- Demonstration of sophisticated instruments like HPLC, HPTLC, SAS software, End note software, reference management software by alumni to PG students for promotion of research.
- Workshop on SPSS by Alumni for students to understand the concept of data analysis in research.
- Research facilities provided to Ph.D. scholars in terms of library, chemicals, instruments, laboratories etc.

- 5 faculty are recognized Ph.D. guides at various universities; GTU, SPU, DDU, UTU, HNGU, RKU, etc.
- Various national, international journals, e-journal package (Science-Direct), reference books have been increased since 2009 of Rs. 25,71,673/-.
- Encourage the students and faculty to participate in international exchange programme at university level for promoting Interaction with foreign Universities for quality research and education viz. Laurentian University, Canada and International Academy of cardiovascular sciences.

6.3.5. Library, ICT and physical infrastructure / instrumentation

The policy of the institution is to augment its infrastructure to strengthen the teaching learning environment. There are adequate number of classrooms, staff rooms, seminar halls, and an infirmary for medical care, playground facility for indoor and outdoor games, canteen, Bhaikaka auditorium hall and a hostel. The rooms are also allotted for Grievance Redressal cell, NSS, Career Guidance and Counselling cell, Placement cell. The infrastructure is used optimally by the staff and students.

The Library has a reading room with the seating capacity of 132. E-resources and sufficient number of books and journals are also available. The library is user friendly and very spacious. The IT infrastructure is maintained by the System Administrators and the computer labs are maintained by the staff and lab assistants. The feedback collected from the staff and students about infrastructure facilities, helps to augment the facility.

After the submission of the budget it is thoroughly analysed and the budget is submitted to the Management and it allots funds for the purchase and maintenance of infrastructure. The Management pre-plans the necessary infrastructure required for the ensuing academic activity of year.

6.3.6. Human Resource Management

The college has clearly defined the vision, mission, goals and objectives. The Managing Committee is the main Governing Body which believes in running the college through the collective participation of all stake holders. Different committees such as IQAC, Admission Committee, Staff Council, Student Council, Exam Committee, Grievance and Redressal Cell, Anti Ragging cell etc. coordinate for the efficient and effective administration.

All the activities aim at academic excellence for holistic and quality education. The Managing Committee, Principal, Staff and Student Council participate in decision making, executing and evaluating the practices and functions of the college.

The organizational structure decentralizes the power and responsibilities. The academic and co-curricular activities are planned and carried out according to the policies and plans to get the desired outcome.

The staff is recruited as per the University norms. Their professional knowledge and their competencies are upgraded through Faculty Development Programmes. The Management encourages research culture and is enthusiastic to implement staff welfare schemes.

The Budget is carefully planned for the academic and administrative activities and it is optimally utilized. It is monitored by the internal and external audits. Participatory leadership and teamwork reflect the core values and ethics of the institution. The grievances and complaints of the students are redressed immediately. All the plans and activities of the college are discussed based on the feedback from various stakeholders.

The IQAC is committed to promote and maintain value-based and holistic education and counselling the students to be the agents of social and environmental changes.

6.3.7. Faculty and Staff recruitment

The Teachers are recruited as per the UGC norms and they are encouraged to pursue research. The Management generously contributes the seed money and registration fee to attend State/ National/ International Level conferences/ symposia for the teachers to do research. Teachers are motivated to participate and present papers in many seminars, workshops, symposia at the State/ National/ International Level.

6.3.8. Industry Interaction / Collaboration

To enhance the industry institute interaction, various activities are done in association with the industries through Industry Institute Partnership Cell. The details are given as follows:

- The institution has MOUs with some pharmaceutical company to strengthen the relationships with industry. Pharmaceutical industries also permit students for 1 month industrial training. Our Institute students go to nearby companies like e.g. Alembic Ltd. Vadodara, Sun Pharmaceuticals Ltd., Vadodara, Pharmanza Herbal Pvt. Ltd., Dharmaj, etc.

- Industrial Training to faculty members and PG students are also provided by the industry through IIP Cell.

- PG Students are given facility in Pharmaceutical Company for doing their research project work on Industrial defined Problems.

- An expert from Industry (Sun Pharmaceuticals, Zydus) is member of syllabus committee who takes active role in the curriculum design.

- The institute through their Training and Placement Coordinator assist various pharmaceutical industries in the selection of suitable candidates to fill up jobs positions through campus interviews and other selection procedures.

- Research Coordinator, Dr. Vaishali Thakkar may initiate development of methodology for creation of endowment funds and promotion of consultancy/ training course/technology transfer to provide the specific need of Orbit Pharmaceutical Ltd., Ahmedabad.

- Dr. Tejal Gandhi, Principal also initiate, joint research and development partnerships with Dr. Lal Higorani, Director for optimally utilize resources available in Pharmanza Herbal Pvt. Ltd., Dharmaj and APC.

- The institute also conducts many guest lectures, seminars and workshops of eminent personnel from industry in coordination with experts from industry for updating the students and faculty members on newer concepts of pharmaceutical sciences.

- The IIP cell in association with Mr. Hardik Rana organizes the industrial visit regularly for UG and PG students for bring up to date related to current trends in the industry.

- GTU Innovation Club formerly known as UDISHA club was established as per direction of GTU Innovation Council, GTU, Ahmedabad. It was established with the objective to establish a close and continuing interaction between the industries and GTU, to organize "Shodh Yatras' to strengthen interaction with pharmaceutical industries and to identify and solve Industry Defined Problems (IDPs) of the industries, as well as motivate the students and staff members for participation in IPR, Entrepreneurship and other activities organized by GTU Innovation Council, Ahmedabad.

6.3.9. Admission of Students

Absolute transparency and systematic mechanisms are adopted in the admission process. The college gives admission through Joint Admission Committee for Professional Courses, Ahmedabad, Gujarat. Fee structure is decided by R. J. Shah Committee, Gujarat Government.

- The Institute is admitting international students under NRI Quota.
- As per the governing bodies, every year GR is released and percentage for the NRI seats are announced for the forthcoming academic year.
- NRI seats can be filled up to 15% out of 25% of the management seats of total intake capacity of the institute approved by the PCI.
- Every year the policy is revised by Government and University for the admission procedure for international students.
- But the institute has surrendered its 25 % management seats to ACPC and hence all the seats are filled according to merit number of the students.
- International students apply to institute directly and after endorsement of the admission by the Principal of the institute, students apply to GTU. The institute provides the facility like VIP hostel. The University also has some provisions for providing facility to these international students. Principal and class counsellor provide counselling for solving their academic as well as non-academic problems if any.

6.4. Welfare schemes for,

Teaching	Yes
Non-teaching	Yes
Students	Yes

6.5. Total corpus fund generated: Nil

6.6. Whether annual financial audit has been done: Yes ☑   No

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	NAAC	Yes	IQAC Coordinator/ Member Secretary
Administrative	Yes	SRKSM	Yes	Principal/ Executive Assistant

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

    For UG Programmes   Yes ☑   No

    For PG Programmes   Yes ☑   No

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

For M. Pharm, poster presentation evaluation process has been added in introduction to dissertation examination and experts from different University outside GTU and Gujarat state have been appointed for ITD, MTD and Final term dissertation examination.

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

6.11. Activities and support from the Alumni Association

Anand Pharmacy Alumni Association comprises of the members of Anand Pharmacy College, who have gained their education, since 2002, both in the Graduate as well as Post-graduate courses and is jointly coordinated by Mr. Sandip D. Patel and Mansi Dholakia. With the virtue of bringing together the past & present, Anand Pharmacy **Alumni Meet 2016** was held on 10th April 2016 (Sunday) at the Town hall, where various alumni expressed their views and cherished their memories. Namely, Mr. Amit Trivedi, Mr. Niraj Dholakiya, Mrs. Sneha bhatt Mr. Anas Jamsa (Batch 2011-2013); Mr Haard Anjaria & Mr. Sagar Patel (Batch 2012-2014).

Guest lectures by Alumni:

Anand Pharmacy Alumni Association regularly invites veteran alumni to conduct interactive session with the students in which they can have in-depth understanding about a certain career. In the year 2015-16, a number of career counselling sessions were held. The following lectures have been organized by APAA during 2015-16:

Sr.	Activity	No. of Beneficiaries/ Detail of Activity	Date of Activity
1	Informative lecture on GPAT Preparation in Pharmaceutics by Ms. Kajal Chavda, alumni of APC and	Total 20 Students had Participated.(B Pharm Sem 7)	25/07/2015

	RA Officer in Gowrie Pharma.		
2	Informative lecture on GPAT Preparation in Pharmacology by Ms. Prachi Karia, alumni of APC and Full time PhD Scholar at M S University.	Total 20 Students had Participated.(B Pharm Sem 7)	29/09/2015
3	Informative Lecture on Regulatory Affairs by Mr. Fenil Shah, alumni of APC and Free-lance RA.	Total 27 Students had Participated. (M Pharm Sem 2 and 4)	01/08/2015
4	Informative Lecture on art of dissertation writing by Ms. Sneha Bhatt, alumni of APC and Free-lance dissertation writer.	Total 30 Students had Participated. (M Pharm Sem 2 and 4)	12/04/2016

6.12. Activities and support from the Parent – Teacher Association

Faculties have been allotted 20-25 students for mentoring purpose. All the mentors keep a track of student's attendance, routine performance in exams, participation in various college activities, overall development etc. The students are mapped in every semester for various attributes like their knowledge base, communication skills (written and verbal), leadership, teamwork, time management, work ethics, consistency, interpretative ability, creativity, regularity, discipline, adjustment to newer environments, potential for success and emotional stability and maturity. The mentors reviews the progress of each student in all above parameters, motivates and put in efforts to enhance them. The students are propelled in the direction based on their strengths and weaknesses so that they achieve more and the gap areas are addressed. The mentors or Institute arranges Parents teachers meeting whenever required on individual basis. Based on the discussion and decision taken during the meeting, corrective actions/ remedial measures are taken for the improvement and in the interest of the student concerned.

6.13. Development programmes for support staff:

We have regular practice to conduct development program for support staff. But, this year we have not conducted any program for them.

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

Institute has a policy of Go Green concept in each and every aspect. From inception of SRKSM, importance is given for development of eco-friendly atmosphere in the campus. The campus is well maintained with plantation and college has separate medicinal garden in the campus. The class rooms and practical laboratories holds remarkable sign at various ports as "SAVE ENERGY", "PUT OFF FANS" when not in use, etc. The institution organizes several programs like tree plantation, go green, save water and electricity, conservation, cleanliness related activity through NSS, etc.

Energy conservation: MGVCL Electric power supply, provides stabilized electric output for laboratory, instrument and computers. 20 KVA Kirloskar Generator and 7.5 KVA Generator at Animal House UPS total 4 in number, of diff capacity 500VA, 600 VA and 1000 VA. All light fittings have been fitted with energy efficient tube fittings and light source.

The college has power connections with a central substation, control panel and power room. Breakers are available at substations and control panels are available at power room. Panels and distributions boxes are available at individual departments. Underground power cables are also available. Switching off/unplugging fans, lights, air conditioners, computers, printers, and electrical equipment in adequate numbers are available at the institution. Energy saving equipment recommended for practical using micro wave oven and Ultrasonicators are in sufficient numbers in the department. Use of glass windows for maximizing use of available natural light in operational areas. Class rooms and laboratories are well designed for proper natural lighting and ventilation.

Use of renewable energy /Solar panels: Solar water heater is installed in Girls hostel for hot water. The buildings in the campus have been constructed to ensure adequate normal lighting and ventilation to reduce the energy requirement to bare minimum.

Water harvesting : There is enough extent of plantation to reduce evaporative loss and soil erosion.

Efforts for carbon neutrality: As SRKSM campus contains green lawns with its premises, our college has been nurturing a large number of plants and trees which can absorb carbon dioxide.

Plantation - Botanical or Medicinal significance: The undergraduate students encouraged for "Tree plantation", "GO GREEN campaign" as a part of NSS activity etc.

Bio-hazardous waste management:

The college has collaboration with Samvedna incineration laboratories for the disposal of biological waste. Use of plastics bags discouraged within the premises of the college. Broken glassware of any sort is considered hazardous waste and are disposed appropriately. Students and faculty members are discouraged from using cell phones in the premises.

E-waste management: The e-waste is sold time to time to the local people for recycling.

Firefighting: Fire extinguishers have been installed in each laboratory, library, animal house and corridors. The use of Fire extinguishers has been demonstrated to the faculty and the staff by expert personnel. Besides sand buckets are kept at various locations and has been refilled every year.

Recognition / certification for environment friendliness: Certificate from Charotar Gas Sahakari Mandali Ltd since 2012 and from Shree Sachhidanand Gas Sales and service since 2000 is available with the institution. College has installed gas fitting, manifold fitting and pipeline fitting according to ISI mark and PNGRB guideline in all the laboratories. All the materials used, viz pipes, regulators etc. are as per ISI Standards. Further regular maintenance check-ups for the gas supply system as per established practices are conducted to confirm their proper working condition. Building completion certificate from Anand Area Development Authority has been available. For the safety of civil structure we have taken following policy from National Insurance Company Ltd since 2010.

1. Fire policy of building, electrical insurance, dead stock, furniture fixtures fitting, computer equipment, and laboratory equipment.
2. Burglary policy of laptop and projector.
3. Plate glass policy for Glass.

Certificate from Architecture for proper sewage disposal system, proper vehicle parking facility, availability of barrier free environment is also available.

Eco Planet Club has been set up to increase consciousness and knowledge about the environment and the major environmental problems facing the country today.

CRITERION – VII

7. INNOVATIONS AND BEST PRACTICES

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

Academics:

Curricular aspects

1. **Personality development:** Contributory personality development (CPD) is a part of syllabus of GTU which is designed for overall personality development of students. Besides this, Anand Pharmacy College has started personality development and English communication classes (FEHP) for students which will be helpful for students to develop overall skills like English improvement, communication skill, etiquette, discipline etc. Besides this final year student are also trained to face interview and resume writing. Pre-placement talks are given to students by various trainers and experts.

2. **Feedback and Syllabus revision committee:** Two members of the faculty are part of GTU syllabus revision committee. College is taking feedback regarding syllabus from the final year students and other stakeholders. Based on this feedback college gives suggestions for syllabus revision. By this effort, electives are added in final year by GTU.

3. **Certification course:** To enhance placement, certification course of Quality by design has been started by the institute.

Teaching Learning

1. **Academic audit:** Anand Pharmacy College has inculcated student centric teaching learning culture. For the improvement of the teaching learning process, IQAC member have started academic audit, and will be conducted every 6 month. During the audit all the aspects of teaching learning were discussed. The discussion included journal innovation, innovative strategy to conduct the lectures and practical, study material up gradation for slow learners and advanced learners. For the same, all senior faculty members had checked all the study materials and journals. They discussed with other staff members regarding execution of the above discussed matter and have given suggestions also. The whole academic audit was documented also.

2. **ICT Enabled Teaching Learning Process:** Few lectures of M. Pharm. were conducted through ICT. Furthermore most of the lectures are conducted by power

point presentation, video on LCD projectors. Students are taught to prepare PowerPoint presentations on topics beyond the curricula.

3. **Scholarship** to meritorious and needy student.

4. **Free book bank facility and Study Material**. Furthermore, students are given freedom to design their book bank as they want. Study material is revised each year to make it more enriched and advanced.

5. **Infrastructure and facility:** Up gradation of classroom, purchase of new instruments, purchase of new books, journals and magazines, intranet database for students in computer lab, LCD projectors, laptop and USB to conduct the lectures, Science direct and DELNET for researchers are made available by college.

6. Industry visit for all undergraduate and post graduate students.

Research, consultancy and extension

1. **Collaborative multidisciplinary research work:** Many PG students have done multidisciplinary research to enhance their research on a broad term. Students are motivated for novel and quality research work with social applicability.

2. **Institute funded Minor Research Projects**: B.Pharm. and 1st year M.Pharm. Students are motivated for minor research project to imbibe research culture in them. For this institute provides funding to conduct minor research project.

3. **Grants from various funding agency:** Faculty members are motivated for grants from various funding agencies like GUCOST, NIF, ICMR etc. This motivation will inculcate the research culture in faculty and thereby in students. As result of these efforts of faculty GUCOST has sanctioned 6 grants for minor and major projects. Furthermore, institute have received grants from GUJCOST, SCI-TECH and DST to conduct the seminar.

4. **Hosting seminar/conferences/workshops and guest lectures:** Institute has hosted 7 seminars/ conferences/ workshops and 20 guest lectures for continuing education. This will help faculty and students to update their knowledge and to conduct the research. Furthermore, this enhancement of knowledge will help to increase placement of the students.

5. **Collaborations**

   Strengthened Industry-Institute interactions: Institute has done collaboration and MOUs with many other industries. This collaborations helped students to procure their materials regarding projects, industry defined projects as well as helpful for placement of the students. This industry have also provided training to the faculty members. Besides this, institute also have done collaboration with IACS (International Academy of cardiovascular sciences), hospitals, Anand Veterinary Science College, Anand; Animal Vaccine Institution, Gandhinagar.

6. **Consultancy:** Through consultancy with various colleges and universities, institution an get financial assistance or other assistance like drugs, animals or any other help for research project, training of students and faculty members.

7. **Continuous updating and sharing research knowledge:** College have conducted workshop of QbD in K. B. Institute of Pharmaceutical education and research, Gandhinagar.

8. Financial supports to PG/UG students and staff for attending conference/ seminars/workshops

Students mentoring and progression

1. Student support and mentoring through feedback mechanisms

   APC is committed to high standards of academic excellence. We here, constantly strive to enable individuals to traverse through learning, achieve success and go beyond their success to become life-long learners such that adversities transform into opportunities for excellence. We instil in student the spirit to battle against odds and to take risks by finding their own pathways howsoever the road through the counselling. We seek to develop in each member of the APC community the ability to work passionately, creatively, effectively and tirelessly for the betterment of our country and of the humankind at large.

   Counselling to students is an important feature of the institute. Faculty members are assigned a fixed number of students right at the time of their joining the programme. The faculty in turn has periodical meeting with students in order to evaluate their academic performance and proper orientation towards the programme as well as guide them to rectify any short comings and to solve any problems.

   Mentoring system:

   A record is maintained for each student where details like

   - Personal Information
   - Previous Record
   - Academic Performance
   - Competitive Examination Details
   - Details of Internship and Industrial Trainings
   - Scholarships Received
   - Co-Curricular and Extra-Curricular activities.
   - The mentors meet the students periodically and monitor their performance and their activities. Guidance regarding the lagging issues is provided.
   - Occasionally meeting with the parents is conducted based on the requirement.

Type of mentoring: Professional guidance / career advancement / course work specific / laboratory specific / total development

Professional Guidance:

The faculty members offer guidance to the prospective professionals in addition to the classroom teaching. The Alumni cell, Industry-institute Partnership cell and placement cell also put their efforts in this direction.

- Monitoring Regularity of the students.
- Monitoring Performance of the students.
- Personal Counselling for Career Guidance
- 15-20 Students in the section are assigned to one faculty member and the entire section is being supervised by a Head counsellor.
- The parents of poorly performing students are informed through reports and counselling is done
- Students are encouraged to present papers at various conferences

Career advancement:

The Training and Placement cell has been active not only in arranging on campus as well as off-campus recruitment drives, but also offering awareness and training for the students.

Course work:

- Members of faculty handling different courses interact with students in clearing all their Concept-oriented and test based mechanics of the respective courses.
- Students are always motivated to participate in different curricular activities. And for this purpose, Student's development fund is being utilized for providing finance to those students who have also participated in various seminars, conferences, workshops under student development scheme.
- Scholarship and Merit awards are also distributed in the Annual function.

Lab. specific:

Each of the lab sessions are handled by concerned teacher in order to have special care for the students while experiments are being handled. A demonstrative presentation is given by the teacher before every experiment. The Laboratory records are evaluated after the experiment is held. There is active involvement of the members of faculty from beginning till end of the experiment.

Total Development:

As stated above, the college puts forward efforts to realize total development of the student. In addition to academics, literary, cultural and sports activities are conducted which offer leadership qualities, decision making abilities, team spirit, precision, analytical capabilities, socio-psychological awareness etc. which make an individual an intellectually mature being.

Number of students per mentor: Appx.20

Frequency of meeting: Monthly

Efficiency of the System:

- The mentoring system developed by the college has been proved to be effective considering different parameters.
- The involvement of students in the academics has been increased, like class work attendance, paper presentations, presentation of models in exhibitions, participation in cultural activities etc.
- Because the number of students allocated to each of the mentor is limited to 20, personal interaction on regular basis has been taken up.
- Teachers are also becoming more responsive to the learner needs day by day which is being reflected in the records maintained by the teacher.

The feedback collection process:

- The institute believes in two-way interactions and 360 degree feedback phenomenon and hence has developed the method to obtain the feedback from students, alumni, parents and academic peers. These forms are scrutinized and the data obtained is utilized for the quality enhancement and improvement in various aspects like infrastructural facilities, curriculum etc. This overall helps in making the Institute a Centre for Excellence.
- The courses in which student assessment of teachers is introduced are B. Pharm and M. Pharm (Pharmacology, Pharmaceutics, Pharmaceutical technology, Quality assurance, Pharmaceutical Quality assurance and Industrial Pharmacy). The online feedback forms were filled by B. Pharm and M. Pharm students for overall evaluation of the teaching provided by the teachers.
- The students have also provided their online feedback on curriculum aspects, teaching-learning process, support services and other facilities offered by the institution during their course of study and the problem associated with above

concerned were resolved through monthly class counselling meeting, and open session.

- The suggestions given by the students during the monthly meetings on regular basis were solved immediately by the counsellor in consultation with the academic head and the principal if needed. Student's counsellors had submitted the feedback/minutes of the meeting to the Academic head. The feedbacks were filled by the students in the computer laboratory through online mechanism for overall evaluation of the teaching provided by the teachers.
- Parent's feedback forms were given to the students and were asked to get them filled by the parents and submit at admin office. All the feedback forms were analysed and reports were prepared.
- **Percentage of students participating: 50-60%**

  Analysis process:

  Academics and other college and students related matters are resolved in consultation with the Principal. The analysis of the feedback of faculty given by the students was informed to individual faculty for self-evaluation and improvement. The identity of the students is not revealed. The general instructions regarding teaching methodology was discussed during department meeting by the respective HOD.

- **Basis of reward / corrective measures, if any:**

  We are taking the corrective measures on the basis of following feedback forms filled by students, parents as well as alumni members.

  - Active participation in academic, research and extension and other activities:
  - Students are motivated for actively participate in various workshops, seminars, co-curricular, extracurricular, sports and extension activities for their overall development.
  - Financial assistance to students
  - Career guidance lectures by alumni
  - Open sessions are conducted for one-to-one interactions of the students with the Academic Head and Head of the Institution. Issues which are beyond the purview of the mentors are resolved or discussed during open sessions with the students.

Governance, leadership and management

1. IQAC: IQAC has started academic audit twice in six months duration. The procedures followed are as per the manual and audit formats prepared. Deadlines are kept for every task completion, with timely monitoring by the

person in-charge, remedial actions to be taken immediately along with monitoring of measures for compliance. Strict disciplinary actions are taken in case of non-compliance.

2. Quick retrieval of administration: Institute has imbibed strong and quick documentation practice in all staff members so that any time quick retrieval of the documentation will be possible. Regular audits and follow-ups during meetings also contribute in timely completion of records and maintenance.

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

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year. The entire outline for the academic journey for the year 2014-15 was framed by the IQAC based on the goals and objectives of the institution,

Sr.	Plan of action	Action taken
1.	To develop infrastructure facilities for new PG course.	Infrastructure facilities were upgraded and instrumentation facility was purchased.
2.	To increase academic performance of the students in the examinations.	Various exercises included conduction of unit test, assignments, industrial visit, training etc. for increasing the academic performance of the students. Moreover, four gold medals were bagged at GTU by M. Pharm. students for excellence in academics.
3.	To host national Seminars/ Conferences/ Workshops with the support of funding agencies.	Organization of one certification course on QbD, Quality Metrics workshop, GUJCOST and DST-SERB sponsored international conference.
4.	To increase representation of teachers for attending state level and national level seminars and workshops, refresher and orientation courses.	Faculty members attended 56 conferences, workshops, seminars and summer school programmes.
5.	Establish collaborative network with industries.	Collaborative network with more than 16 industries and academia was developed.
6.	To promote Major and Minor Research programmes among	Three ongoing major research projects, Three major project NIF completed, 2 major research

	faculty members by attracting financial support from various agencies.	projects have been sanctioned, 2 minor research projects are ongoing, and 4 minor research projects have been sanctioned.
7.	To conduct series of guest lectures for teachers and students.	26 Guest lectures were conducted to increase the knowledge base of the students from different discipline of pharmacy field.
8.	To conduct personality development programme for students.	Finishing school was conducted for first and third semester B. Pharm and first semester M. Pharm students. Moreover, personality analysis test was also carried out for PG and UG students.
9.	To improve library services through increasing the number of books.	Library has 11843 total books with journal and internet facility.
10.	To take up technology up gradation measures.	ICT enabled teaching learning process
11.	To encourage and activate regular activities such as NSS, NCC and sports.	Various extension activities in red ribbon cell, NSS and sports were performed.
12.	To give special emphasis to extension and community development programmes such as blood donation, visits to villages etc.	Community development programmes like blood donation camps, red ribbon club, seminars for women, rally, aids awareness etc.
13.	To encourage teachers who have not registered for Ph. D. programme yet, to take initiatives to secure a Ph. D.	Yes, teachers have been encouraged to pursue Ph.D.
14.	To attract more and more companies and institutions for campus recruitment.	Job fair was organized on 7th April 2016 for campus recruitment.

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

*Provide the details in annexure (annexure need to be numbered as i, ii, iii)

(Annexure: 25)

7.4. Contribution to environmental awareness / protection

The campus is well maintained with plantation and from inception of SRKSM, importance is given for development of eco-friendly atmosphere in the campus. The class rooms and practical laboratories holds remarkable sign at various ports as "Save energy", "Put OFF fans" when not in use, etc. The institution organizes several programs like tree plantation, go green, save water and electricity, conservation, cleanliness related activity through NSS, etc.

- Reduction in resources use,
- Motivate the students to keep their surroundings green and clean by undertaking plantation of trees,
- Motivate students to imbibe habits and life style for minimum waste generation, minimise use of plastic bags etc.

7.5. Whether environmental audit was conducted?   Yes ☑   No

7.6. Any other relevant information the institution wishes to add.

(For example SWOT Analysis) The institution has undergone NAAC second cycle accreditation in 2015, where SWOT analysis has been suggested as follows,

Institutional strength	• Good laboratory and classroom infrastructure for teaching and learning • Support and management for institutional development • Collaborative ventures • Inspirational leadership with team spirit • Hands on training for instruments
Institutional weakness	• Alumni association is yet to be strengthened • Major research projects with government funding are yet to be procured • Industry academia interaction are needs to be further strengthen • Service conditions and processes are not well defined
Institutional opportunities	• Resource mobilization through paid consultancy • Make use of infrastructure for collaborative research • Effective and useful MOU's • Make use of rural establishment and outreach programs

	• Automation of office
	• Establishment of entrepreneur development cell
	• Overall documentation is not very effective
Institutional challenges	• Development of more student supportive services
	• Motivation of teachers for research
	• Mobilization of extra mural funding
	• Effective training and placement facilities
	• International exposure to faculty members

7.7. Plans of institution for next year

Program/ Curriculum

- To develop center of excellence
- Improvement in teaching learning program curriculum & processes
- Assessment of outcome based education
- To introduce more CE programs
- To offer certification courses on QbD and Regulatory Guidelines.

Academic

- Excellent results (UG and PG program)
- Higher performance and results in competitive examination
- Higher placement

Research

- Research publication in good quality journals
- To promote Major and Minor Research programs
- Paid consultancy services
- To file patents
- Establish collaborative network with industries.
- Technology transfer

Students

- Participation in various activities for holistic development
- Effective student mentoring system
- Strengthening of innovation council and entrepreneur development cell
- Development of incubation center

Faculty

- To increase representation of teachers for state/ national/ international level conferences, seminars and workshops, refresher and orientation courses.

- Participation in faculty development programs and industrial training

Overall improvement and Administration

- Implementation of Google docs/ ERP system to be implemented

- Service conditions and process to be defined

- Strengthening of alumni association

- Service conditions and process to be defined

- IQAC-External audit system

- Wi-fi for UG students

- Xerox machine/ printer

Name: **Dr. Kalpana G. Patel**   Name: **Dr. Tejal R. Gandhi**

Signature of the Coordinator, IQAC   Signature of the Chairperson, IQAC

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