R.C.Patel Arts, Commerce & Science College, Shirpur. Dist: Dhule (MS)

Annual Quality Assurance Report (AQAR)

R C Patel Educational Trust

of

Internal Quality Assurance Cell

For the Year: 2017-18

Report Submitted By

Internal Quality Assurance Cell (IQAC)

R.C.Patel Arts, Commerce & Science College, Shirpur.

Dist. Dhule – 425405(MS)

The Annual Quality Assurance Report (AQAR)
PART - A

1. Details of the Institute:

1.1 Name of the Institution:

R.C.Patel Arts, Commerce & Science College

1.2 Address Line 1:

Near Karvandnaka

Address Line 2:

Karvand road

City/Town :

Shirpur

State/UT :

Maharashtra

Pin Code :

425405

Contact nos.:

(02563)-257328

Registered e-mail:

principal@rcpasc.ac.in

Alternate e-mail:

dr.drpatil@gmail.com

Name of the Head of the institution:

Dr. Dilip R. Patil

Designation:

Principal

Phone no./Alternate phone no.:

(02563) 257329

Mobile No.:

09922553765

Name of the IQAC Co-ordinator:

Dr. A.A. Patil

Mobile: IQAC e-mail address:

iqac.rcp@gmail.com

Alternate Email address

avi2119@yahoo.co.in

1.3 NAAC Track ID:

1.4 NAAC Executive Committee No. & Date:

EC/66/RAR/088

. 1.5 Website address:

www.rcpasc.ac.in

Web-link of the AQAR:

http://www.rcpasc.ac.in/aqars/

1.6 Accreditation Details:

Sr. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1.	1st	B	74%	2004	from: May 2004 to: May, 2009
2.	2nd	B	2.76	2013	from: Feb. 2014 to: Feb. 2019

1.7 Date of Establishment of IQAC:

13/06/2005

1.8 AQAR for the Year:

2017-18

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

Accreditation by NAAC :

   i. AQAR 2013-14 submitted on–07/11/2014

  ii. AQAR 2014-15 submitted on –21/08/2015

  iii. AQAR 2015-16 submitted on –29/10/2016

  iv. AQAR 2016-17 submitted on – 18/11/2017

1.10 Institutional status:

University: State ✓   Central ☐   Deemed ☐   Private ☐

Affiliated : Yes ✓   No ☐

Constituent: Yes ☐   No ☐

Autonomous status of University: Yes ☐   No ✓

Regulatory Agency approved Institution: Yes ✓   No ☐

Type of Institution: Co-education ✓   Men ☐   Women ☐

Location: Rural ✓   Semi-urban ☐   Urban ☐

Financial Status: Grants-in aid ✓   UGC 2f ✓   12 (B) ✓   Self Financing ☐

Grand-in aid + Self Financing ✓   Totally Self Financing ☐

1.11 Type of Faculty/Programme:

Arts [✓] Science [✓] Commerce [✓] Law [ ] PEI (Phy.Edu) [ ]

TEI (Edu.) [ ] Engineering [ ] Health Science [ ] Management [✓]

Others (Specify) [   ]

1.12 Name of the Affiliating University: | K. B. C. North Maharashtra University, Jalgaon |

1.13 Special status conferred by Central/ State Government:

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 | [-] |

| UGC-COP Programmes | [-] |

2. IQAC Composition and Activities

2.1 No. of Teachers [04]

2.2 No. of Administrative/Technical staff [02]

2.3 No. of students [01]

2.4 No. of Management representatives [01]

2.5 No. of Alumni [01]

2. 6 No. of any other stakeholder and Community representatives [01]

2.7 No. of Employers/ Industrialists [02]

2.8 No. of other External Experts [01]

2.9 Total No. of members [13]

2.10 No. of IQAC meetings held [03]

2.11 No. of meetings with various stakeholders: No. | 01 | Faculty | 02 |

Non-Teaching Staff | 02 | Students | 01 | Alumni | 01 | 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):

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

Total Nos. [ ]. International [ ] National [ ] State [ ] Institution Level | 04 |

(ii) Themes: | Curriculum development (UG and PG) |

2.14 Significant Activities and contributions made by IQAC:

- IQAC has significantly contributed for designing and implementing the strategies improving and sustaining the quality education. The key activities of the IQAC in the year 2017-18 are as under:

- IQAC undertook the assessment of institutional API and teacher's diary for the year 2017-18

- IQAC promoted the teachers to submit the research and conference proposals to various funding agencies in the regular meetings

- Signed two MoUs with the neighbouring institutes to promote the collaborations.

- IQAC also sensitized to teachers regarding use of modern ICT gadgets, online learning resources etc.

- IQAC and the library committee has provided unique user ID and password for accessing NLIST site that offers e-Books and e- Journals in full text form.

- Teachers are encouraged to pursue their PhD work.

- Teachers who have completed their Ph.D., are facilitated by the Teachers' Council & the Governing Body of the College. It also emphasizing upon faculty members to publish research papers in reputed Journals.

- IQAC initiated the preparation for third cycle of NAAC assessment and reaccreditation and criterion wise committees have been formed.

- IQAC and the NAAC core committee conducted several meetings regarding SSR preparation, data collection etc.

2.15 Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year

Plan of Action	Achievements/Outcomes
To motivate the faculty for research work and attaining workshops/ seminars, FDP	- Most of the teachers attained workshops, seminars and FDP organized by various bodies and presented papers in conferences. - More than 40 research papers of faculty members also published in reputed journals. - One of the faculty member received first prize at state level research festival: Avishkar. - One faculty member received major research project from ICMR, New Delhi
To prepare API and Teaching Diary for faculty	- Verify API and teacher diary of all faculty. - Several teachers received 'O' grade in API for the year.
To promote the teachers under CAS	All eligible teachers submitted their CAS proposals to university for API verification as per the UGC guidelines.
Maximum use of ICT in curriculum	Most of the teachers started using ICT in curriculum for teaching.

2.16 Whether the AQAR was placed in statutory body? Yes ✓ No ☐

Management ✓ Syndicate ☐ Any other body ☐

Provide the details of the action taken:

The AQAR of 2017-18 was placed before the CDC. The CDC took the note of IQAC activities and also given importance suggestions.

Part-B

Criterion – I

Curriculum Planning and Implementation

1.1 Details about Academic Programs:

Level of the Programme	Number of existing Programs	Number of programs added during the year	Number of self-financing programs	Number of value added / Career Oriented programs
PhD	07	00	00	00
PG	08	02	08	00
UG	16	02	04	00
PG Diploma	02	00	02	00
Advanced Diploma	03	00	03	00
Diploma	03	00	03	00
Certificate	05	00	05	00
Others	00	00	00	01
Total	**44**	**04**	**25**	**01**
Interdisciplinary	00	00	00	00
Innovative	00	00	00	00

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

In curriculum some of the courses have elective options such as M.Sc. (Physics, Computer and Mathematics), B.Sc.(Physics, Computer, Mathematics, Chemistry, Zoology and Botany) and S.Y.B.Sc.(Marathi/English). Students have flexibility to choose some of the courses in these subjects.

(ii) Pattern of programs:

Pattern	Number of programs
Semester	24 (All UG and PG)
Trimester	00
Annual	00

1.3 Feedback from stakeholders*

Alumni ☑   Parents ☐   Employers ☑   Students ☑

Mode of feedback: Online ☑   Manual ☑   Co-operating schools ☐

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

Yes. Syllabus of several courses has been revised as per the university policy. The university has followed the UGC guidelines in the curricula revision. The BoS members of the college, subject in-charge participated in the syllabus restructuring. The students (BoS members) of college also contributed in syllabus restructuring.

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

Following new programmes were introduced during the year 2017-18
- T.Y.B.Sc. (Zoology)
- T.Y.B.Sc. (Botany)
- M.Sc.(Mathematics)
- M.Com.

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Assistant Professors	Associate Professors	Professors	Other	Total
26	07	01	--	34

2.2 No. of permanent faculty with Ph.D.:   19

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

Assistant Professors		Associate Professors		Professors		Other		Total	
R	V	R	V	R	V	R	V	R	V
26	00	07	00	01	00	--	--	34	00

2.4 No. of Guest and Visiting faculty and Temporary faculty: | 00 | | 01 | | 58 |

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/ Workshops	Nil	25	50
Presented papers	Nil	18	36
Resource Persons	Nil	00	02

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

- Use of ICT based teaching.
- Seminar and tutorials for student
- Poster presentation
- Workshop for personality development and placement
- Orientation program for student
- Study tours, industrial and field visits

2.7 Total No. of actual teaching days during this academic year: | 178 |

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

> Internal tests, tutorials,
> Bar coding, Photocopy,
> redressal and reassessment

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

| 07 | 22 | 04 |

2.10 Average percentage of attendance of students: | 86 |

2.11 Course/Programme wise distribution of pass percentage:

Title of the programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
B.A.	406	42	100	61	85	70.94
B.Sc.	1100	211	232	199	269	82.81
B.Com.	155	12	19	29	30	58.06
BCA	164	33	56	45	01	82.31

BBM	64	20	16	07	01	68.75
M.Com.	22	01	08	08	05	100.00
M.Sc.	280	75	65	29	72	86.07

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

IQAC has significantly contributed for designing and implementing the strategies improving and sustaining the quality education. Moreover, the IQAC identified and suggested new ways of using teaching aids, developing suitable infra-structure and providing suggestions to start new courses. The IQAC has been also thoroughly involved in helping the Management, the Principal and the other committees by offering valuable suggestions and effective measure to maintain consistency.

The other activities undertaken by IQAC are:

- Preparation of academic calendar and initiation of curriculum according to the calendar.
- Monitoring of teaching evaluation process as per Teacher's diary
- Assessment of API of institute.
- Result analysis is done after declaration of result at the end of each semester.
- IQAC also monitored all the activities organized by different committees of college by taking proper feedback.

2.13 Initiatives undertaken towards faculty development:

Faculty / Staff Development Programs	Number of faculty benefitted
Refresher courses	-
UGC – Faculty Improvement Programme	-
HRD programs	01
Orientation programs	-
Faculty exchange Programme	-
Staff training conducted by the university	-
Staff training conducted by other institutions	04
Summer / Winter schools, Workshops, etc.	-
Others	-

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	07	Nil	Nil	05
Technical Staff	13	Nil	Nil	07

Criterion – III

3. Research, Consultancy and Extension

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

The IQAC initiatives for promotion of research are:

Management, Principal and IQAC motivate teachers to submit research proposals for funding, attaining faculty development programs, conferences and seminars, present research papers and published papers in journals. IQAC and research promotion committee scrutinizes research proposals of faculty before submitting to the funding bodies

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	06	01	00	02
Outlay in Rs.	Rs. 40,92,400.00	12,00000.00	00	00

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number 5	13	01	00	00
Outlay in Rs.	11,06,000.00	10,5000.00		

3.4 Details on research publications:

	International	National	Other
Peer Review Journals	06	35	00
Non-Peer Review Journals	00	49	00
e-Journals	00	00	00
Conference proceedings	04	04	00

3.5 Details on Impact factor of publications:

Range [1-4] Average [0.22] h-index [4] Nos. in SCOPUS [2]

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

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	02	UGC	834400	507400
Minor Projects	02	UGC	485000	400000
Interdisciplinary Projects	Nil	-	-	-
Industry sponsored	Nil	-	-	-
Projects sponsored by the University/ College	02	University	1,35000	1,35000
Students research projects*(other than compulsory by the University)*	Nil	-	-	-
Any other(Specify)	Nil	-	-	-
Total	06		1454400.00	1042400.00

3.7 No. of books published: i) With ISBN No. [10] Chapters in Edited Books [00]

ii) Without ISBN No. [00]

3.8 No. of University Departments receiving funds from:

UGC-SAP [   ] CAS [   ] DST-FIST [   ]

DPE [   ] DBT Scheme/funds [   ]

3.9 For colleges: Autonomy ☐   CPE ☐   DBT Star Scheme ☐

INSPIRE ☐   CE ☐   Any Other (specify) ☐

3.10 Revenue generated through consultancy: Nil

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	Nil	Nil	01	04	Nil
Sponsoring agencies			College	University and college	

3.12 No. of faculty served as experts, chairpersons or resource persons: 03

3.13 No. of collaborations: International ☐   National ☐   Any other 05

3.14 No. of linkages created during this year: 01

3.15 Total budget for research for current year in lakhs:

From Funding agencies	10,42,400.00
From Management of University/College	3,18,794.00
Total	**13,61,194.00**

3.16 No. of patents received this year:

Type of Patent		Number
National	Applied	00
	Granted	00
International	Applied	00
	Granted	00
Commercialized	Applied	01
	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	District	College
02	Nil	01	01	Nil	Nil	Nil

3.18 No. of faculty from the Institution who are Ph. D. Guides | 10 |

and students registered under them | 16 |

3.19 No. of Ph.D. awarded by faculty from the Institution: | 06 |

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

JRF [ ]   SRF | 01 | Project Fellows [ ]   other [ ]

3.21 No. of students Participated in NSS events:

University level | 120 | State level [ ]

National level [ ]   International level [ ]

3.22 No. of students participated in NCC events: Not applicable

University level [ ]   State level [ ]

National level [ ]   International level [ ]

3.23 No. of Awards won in NSS: Nil

University level [ ]   State level [ ]

National level [ ]   International level [ ]

3.24 No. of Awards won in NCC: Not Applicable

University level [ ]   State level [ ]

National level [ ]   International level [ ]

3.25 No. of Extension activities organized

University forum | 03 | College forum | 08 |

NCC | | NSS | 08 | Any other | |

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

The college also undertakes activates like tree plantation, rain water harvesting etc. The college continuously involved in social activities like blood group detection of rural and tribal school students, sanitation and disease awareness camps, tree plantation, blood donation camp, cleanliness drive, Swachh Bharat Abhiyan etc. The department of Microbiology and biotechnology coordinated the vermicomposting of solid waste in several housing societies during the Swachh Bharat Abhiyan by providing the microbial culture for waste management. The efforts of the college helped Shirpur Municipal Council to secure 63rd position in the west zone comprising five states of India.

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	68,797		Self-finance	68,797
Class rooms	27	15	Self-finance	42
Laboratories	12	02	Self-finance	14
Seminar Halls	01	01	Self-finance	02
No. of important equipment purchased (≥1-0 lakh) during the current year.	Nil	Nil	-	-
Value of the equipment purchased during the year (Rs. in Lakhs)	20,56,232.00	1,56,000.00	Self-finance and funding agencies	22,12,232.00
Others – Shooting Range	-	-	-	-

4.2 Computerization of administration and library:

The college has rich library with over 15000 titles, several thousand e books and 75 journals. The college is effectively using the UGC INFLIBNET facility for the students as well as for the faculty. The College with its sister institute, has also subscribed selected Elsevier journals in an online mode. The library is fully automated. The library uses LibSys 6.0 software for regular housekeeping work of the library. Books and students' library cards are barcoded. The book is issued to the students and faculty using a barcode based system. Library, stack section, circulation counter and reading room are kept under CCTV surveillance.

The office administration is fully computerized. There is established procedure for handling various accounts for effective management of the financial resources. A fully computerized account system is adopted using the accounting software (Tally).

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	9412	8,81,399.00	889	130270	10301	1011669
Reference Books	11978	58,9,3403.00	835	2,87,538.00	12813	61,80,941.00
e-Books	90000+	5000.00	135000+	5900.00	225000+	10,900.00
Journals	68	86,353.00	74	67,242.00	142	1,53,595.00
e-Journals	70	1,94,621.00	70	4,32,256.00	140	6,26,877.00
Digital Database	6000+	5000.00	6000+	5900.00	12000+	10,900.00
CD & Video	01	5000.00	01	5900.00	02	10,900.00
Others (specify)	158	Complimentary	00	NA	158	NA
	558	46,394.00	70	13,045.00	628	59,439.00

4.4 Technology up gradation (overall):

	Total computers	Computer lab	Internet	Browsing centers	Computer centers	Office	Departments	Others
Existing	155	78	100mbps	05	11	08	53	Nil
Added	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Total	155	78	100mbps	05	11	08	83	Nil

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

A total number of computers available in the college is **150**. Three specialized computer labs installed with Intel Core – i3 – 4130 (4th Generation) computers with 3.20GHz CPU, 500 GB HDD, DVD-RW, Web Cam, and 18.5" LCD screen are available for running the UG and PG courses in Computer Science. The college is using licensed version of Microsoft softwares. The college has valid MSDN Academic Alliance Pack (Microsoft Imagine Premium) software with a validity period up to 2021. All three labs and the administrative office is connected through LAN by an external certified agency. (AVAYA, Certified Systemax Structured Connectivity) for 20 years (up to March 2022). Wi-Fi system is installed in the building in 2013-14 with CiSCO-WRT 120. A total number of ports available are 12 across the various areas of college campus/building. Wi-Fi system is under the up gradation with new ports (CiSCO-WRT 120) to be installed.

4.6 Amount spent on maintenance in lakhs:

i) ICT	1,59,367.00
ii) Campus Infrastructure and facilit	46,84,247.00
iii) Equipment	18,35,513.00
iv) Others	Nil

| **Total:** | 66,79,127.00 |

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

> Under the guidance of Principal IQAC significantly contributed to increase the level of awareness through Department notice boards, prospectus student hand book and college magazine etc. Some departments use their own websites and web pages for communicating students.

5.2 Efforts made by the institution for tracking the progression

> - By taking student feedback from departments, students.
> - Result analysis
> - Suggestions and feedback of peers
> - Verifying teacher diary and API

5.3 (a) Total Number of students

UG	PG	Ph.D.	Others
1918	304	16	Nil

(b) No. of students outside the state

25

(c) No. of international students

00

Men

No.	%
1060	47.70

No.	%
1162	52.21

Women

Last Year(2016-17)						This Year (2017-18)					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
437	85	218	982	00	1963	500	97	239	1090	00	2222

Demand ratio: 1:1   Dropout %: 10 (Approx.)

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

> The student support mechanisms available in the college are:
>
> 1. Guidance for competitive examinations
> 2. Career counselling

3. Soft skill development
4. Remedial coaching
5. Language lab
6. Bridge courses
7. Personal Counselling
8. Personality development
9. Books for competitive examinations
10. E resources.

No. of student's beneficiaries: 185

5.5 No. of students qualified in these examinations

NET [ ]   SET/SLET 01   GATE [ ]   CAT [ ]

IAS/IPS etc [ ]   State PSC [ ]   UPSC [ ]   Others 01

5.6 Details of student counseling and career guidance:

No. of students benefited: 300

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
03	165	20	250

5.8 Details of gender sensitization programmes:

Various gender sensitization programmes organized by the college are:

- Essay Competition
- Rangoli Competition
- Personality development Workshop
- Guest Lecture delivered by Dr. Kavita Patil
- Guest Lecture delivered by Dr. Rahul Saner
- Guest Lecture delivered by Dr. Madhav Kadam
- Guest Lecture delivered by Dr. Gajanan Khekade
- Karate Training

5.9 Students Activities

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

State/ University level [290]   National level [11]   International level [02]

No. of students participated in cultural events

State/ University level [10]   National level [ ]   International level [ ]

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

Sports: State/ University level [10]   National level [ ]   International level [ ]

Cultural: State/ University level [09]   National level [ ]   International level [ ]

5.10 Scholarships and Financial Support:

	Number of students	Amount
Financial support from institution	48	62,820.00
Financial support from government	763	41,72,039.00
Financial support from other sources	Nil	Nil
Number of students who received International/ National recognitions	Nil	Nil

5.11 Student organized/initiatives:

Fairs: State/ University level [02]   National level [ ]   International level [ ]

Exhibition: State/ University level [02]   National level [ ]   International level [ ]

5.12 No. of social initiatives undertaken by the students: [05]

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

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Vision: 'To be pre-eminent institute which bring out the best among the students'.

Mission:

- To impart the quality education to the students especially to the socially and economically backward students from the lower and middle class with a view that education will make them economically independent.
- To enable our students to face the unknown situations and to make them strong to face the problems of the rapidly changing and increasingly complex world.
- To make our students responsible, sensitive, socially committed and to develop in them spiritual insight and the ideas of patriotism, democracy, secularism, socialism and peace.

6.2 Does the Institution has a management Information System

Yes.

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

6.3.1 Curriculum Development

The college follows the semester, credit-grading system. The college runs multidisciplinary and UG and PG courses and the effective implementation of teaching learning process is assured by recruiting adequate number of qualified and experienced faculty. College also offers several certificate and diploma courses for career enhancement of the students.

6.3.2 Teaching and Learning

The admission procedure is fully merit based for all courses. Enough number of seats are available for undergraduate courses. We have considerable number of students from the nearby states such as Madhya Pradesh and Gujarat. At the beginning of the academic session, the administration ensures effective implementation of curriculum through well planned academic colander. Various committees have been formed for monitoring of teaching-learning and evaluation

process. The college has introduced the faculty diary which helps teachers and the administration for up keeping the records such as student attendance, time table, details if test tutorial and the internal examinations, co-curricular and extracurricular activities as well as the result analysis.

6.3.3 Examination and Evaluation

Being affiliated to Kavayitri Bahinabai Chaudhari North Maharashtra University, the college follows the evaluation structure as recommended by the university and hence has limited scope for modifying the evaluation system. At present, semester system for all levels and all faculties has been implemented by the university. Total weightage for external evaluation is 60% and for internal evaluation is 40%. The evaluation system is online as well as offline. The college as well as university strives to declare the results before 45 days.

6.3.4 Research and Development

More than 55% faculty members have received research grants in the form of major and minor research projects. A total amount research grants fetched in last five years amounts to the tune of 55 Lakhs. Two faculty members have been awarded with DST young scientist award with the total grant around 40 lakhs. The College is recognized as research centre for Physics, Microbiology and Biotechnology and presently 16 students are doing their doctoral research in various departments. Seven teachers are recognized as research guides of Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon. A research promotion committee is formed to promote and monitor the research related activities. The committee works with IQAC and promotes faculty members to write and submit the research project proposals, apply for conferences and workshops grants etc.

6.3.5 Library, ICT and physical infrastructure / instrumentation

The college owns a sprawling three storey building with a total built in area around 5000 sq. meter in a campus of 15.5 acres. A well ventilated classrooms, laboratories with necessary equipment, seminar hall, library and reading room facilities are available. Ramp and lift facility is available for differently abled individuals. Necessary facilities for ICT based leaning such as LCD projectors, Laptops, Audio-visual facilities are available. A staff room with enough space is available, a separate and adequately maintained sanitary facilities are available for the staff and students. Girls' common room is available. A separate block for principal and vice principal office, administrative office, a conference room, audio-visual hall, a common auditorium facility, examination and confidential

work room, NSS room, store room and gymkhana is available. A separate room for IQAC and NAAC related work is likely to be available soon. A library with over 20000 books and over 11000 titles, several thousand e books and 74 academic journals and magazines is available. The library works between 7:30 a.m. to 6:00 p.m. and it remains available for extended hours during the examination period. The college is effectively using N-LIST database of academic content through the INFLIBNET. Reprographic facility, book bank facility is available. Library is automation is completed. The College with its sister institute, sharing the subscription of selected Elsevier journals in an online mode. The maintenance of infrastructure facilities is met through the UGC fund and from student fees. The college has a separate dedicated team for maintaining the infrastructure, cleanliness of campus and garden etc.

6.3.6 Human Resource Management

Teachers training is given priority and therefore several teachers are sent for faculty development programmes time to time. For pedagogical upliftment, IQAC of the college conducts a special orientation programme for newly appointed teachers. Teacher performance is critically assessed by the management through the academic diary, institutional API and result analysis. Teachers are encouraged to undertake the research and student centric activities. Teachers who excel in institutional API are incentivised and felicitated on the occasion of teacher's day every year. The management also runs welfare schemes for the teaching and non-teaching. A housing society, student co-operative store, recreation facility, credit society etc. are run by the management.

6.3.7 Faculty and Staff recruitment

Permanent staff is recruited by following the rules and regulations of UGC and Government.

Temporary staff is recruited by management. Preference is given to the qualified and experienced faculty in recruitment.

6.3.8 Industry Interaction / Collaboration

> With the efforts of the principal and the NAAC, the college has signed four MoUs with the nearby institutes for research collaborations. Various research related activities, student training, and collaborative projects are undertaken based on these MoUs. The college also organizes industrial visits for final year students.

6.3.9 Admission of Students

- The college conduct admission process for UG courses by following guidelines of university. A detailed schedule of the admission procedure is displayed on College website as well as it publicized on College campus through hoardings etc.
- The admission procedure is fully merit based for all courses. Enough number of seats are available for undergraduate courses. We have considerable number of students from the nearby states such as Madhya Pradesh and Gujarat.
- At the beginning of the academic session, the administration ensures effective implementation of curriculum through well planned academic colander.
- For PG courses, the centralized admission process is carried out by the University.

6.4 Welfare schemes for

Teaching	Group Insurance scheme credit society medical insurance
Non-teaching	Group Insurance scheme credit society medical insurance
Students	Accident insurance of Government

6.5 Total corpus fund generated: 1,30,00000.00

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	University	Yes	Principal
Administrative	Yes	Joint Director, HE	Yes	Principal

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

For UG Programmes   Yes ✓   No ☐

For PG Programmes   Yes ✓   No ☐

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

- Implementation of semester system with CGPA for all faculties of UG and PG
- Onscreen evaluation of papers
- Preparation of question banks
- Online declaration of results within prescribed period

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

Nil

6.11 Activities and support from the Alumni Association

- Alumni of college helps the students by conducting personality development and interview skill workshops/seminars.
- They also take initiative to recruit the students in various organizations.

6.12 Activities and support from the Parent – Teacher Association

- Co-curricular activities are supported by parents
- Social awareness programs, gender sensitization activities are organized with the support of parents
- NSS activities involves parents

6.13 Development programmes for support staff

- The college organized a special workshop for the non-teaching staff.
- ICT training, HTE training is given to the staff.

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

- Pedestrian friendly roads
- Maximum use of bicycles and public transport by the students as well as by the staff
- Green campus
- Plastic free campus
- Use of LED bulbs for lightning.

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.

The college firmly believes in institutional and social values. Several best practices are adopted. Many official processes such as sanctioning the leave, accounting etc. are made paper less and use of technology is promoted. As per the policy of government of Maharashtra, use of plastic is prohibited. Accordingly the college has undertaken several green initiatives and the campus is declared as **Plastic free** zone. The design of buildings assures maximum usage of natural light and air in order to save electricity. The energy is used efficiently by using LED lights on internal roads. Water is used efficiently by using drip and sprinkled water in the garden. Rain water harvesting system is installed in the building. Student training is given a lot of emphasis. Every year several students with a research flair are identified and sent for the research training to various places such as Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon and Homi Bhabha

Center for Science Education, Mumbai. From last 16 years, the college is conducting state level microbiological contest (Microbioolympiad) for developing the interest of students towards the competitive exams in life sciences.

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

The college has prepared a perspective plan to achieve the short and long term goals (http://www.rcpasc.ac.in/perspectiveplan). The IQAC of the college has reviews and revise the quality policy of the institute time to time. Recommendations of the NAAC peer team during the IInd cycle are discussed in depth and the policies were designed to address the issues raised during the peer team visit. The college has given utmost importance to these recommendations and the perspective plan (2014-15 to 2024-25) was prepared to overcome the shortcomings. In the last five years, the college has done a significant progress in the area of research and extension activities. The faculty members of the college have been able to publish their research work in the journals of high impact (Data template 3.3.4) and international repute. The highlights of perspective plan according to NAAC quality framework are discussed in ensuing pages. A few select journal are International journal of biological macromolecules (Impact factor: 3.4), Journal of Surfactants and Detergents (Impact factor: 2.4), Phototherapy research (Impact factor: 3.2), Bioresource technology (Impact factor: 3.4) and Process biochemistry (Impact factor: 4.4). A total of 259 research papers and the research review articles have been published by the faculty. Several faculty members have authored the subject books, text books and the reference books

7.3 Give two Best Practices of the institution

1. Microbiolymoiad (www.microbiolympiad.com)
2. Blood group detection and hygiene awareness camp (www.mbbtshirpur.in)

7.4 Contribution to environmental awareness / protection

- Conducting and participating in Swachhata Abhiyan

- Tree plantation

- Rain water harvesting

- Clean and Green campus

- Waste water management

7.5 Whether environmental audit was conducted?   Yes ☐   No ☑

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

SWOC Analysis of the College

STRENGTHS:

- Offering higher education across the disciplines such as humanities, commerce and management and sciences with well-adjusted range of courses
- Proactive governing council for student centric activities.
- Job oriented courses like- Computer science, Biotechnology, Microbiology, Management, Chemistry, Bioinformatics and Plant tissue culture, Goods and service tax, English etc.
- Offering a number of certificate, diploma and advanced diploma courses in various subjects to impart additional skills to the students.
- Well qualified, dedicated and research oriented faculty
- Well-furnished laboratories with advanced equipment
- Eco-friendly campus that promotes teaching and learning.

WEAKNESSES:

- No academic flexibility.
- Considerable numbers of contract basis teachers.
- Several courses are run on self-finance basis.
- Rural location of college limits frequent visits of eminent, distinguished academicians and scientist.
- Limited scope for future expansion in the existing building
- Lesser job opportunities at local level

OPPORTUNITIES

- Strengthening ICT enabled teaching and learning
- Increased awareness about higher education among society, encouraged by national and state government policy in terms of financial provision and subsidiary endowment.
- Wide scope to introduce skill based and job oriented courses to increase the employability of student.
- Graduation courses can be extended up to post graduate and research level
- Scope for development of social and industrial network

CHALLENGES:

- To run several courses on self-finance basis is practically challenging.
- Availability of several traditional colleges in vicinity that create competitive stress
- Students with rural and tribal background and they are academically deprived
- No non-salary grants from the state government.

8. Future Plans of action for next academic year (500 words)

- To initiate the new certificate course (certificate course in GST).
- To implement choice based credit system for all UG courses from next academic year i.e. 2018-19.
- To complete the process of building expansion.
- To prepare for IIIrd cycle of assessment and reaccreditation of NAAC
- To initiate the process of faculty placements.
- To plan IQAC activities, research activities, conferences and seminar, student and faculty training.
- To apply for various developmental schemes of UGC, DST and DBT to get the financial support
- To promote the faculty for PhD registration, research projects etc.
- To establish linkages, MoUs with the neighbouring institutes and the industry.

Signature of the Coordinator, IQAC
Name: Dr. Avinash A. Patil

Signature of the Chairperson, IQAC
Name Prin. Dr. Dilip R. Patil