

The Annual Quality Assurance Report (AQAR) of the IQAC

All NAAC accredited institutions will submit an annual self-reviewed progress report to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the institutional IQAC at the beginning of the academic year. The AQAR will detail the results of the perspective plan worked out by the IQAC. *(Note: The AQAR period would be the Academic Year. For example, July 1, 2012 to June 30, 2013)*

Part – A

I. Details of the Institution

1.1 Name of the Institution

MES Abasaheb Garware College

1.2 Address Line 1

Karve Road, Pune

Address Line 2

Pune

City/Town

State

Maharashtra

Pin Code

411004

Institution e-mail address

agccomp@eth.net

Contact Nos.

020-41038200, 020-41038201

Name of the Head of the Institution:

Dr. P B Buchade

Tel. No. with STD Code:

020-41038201

Mobile:

9423581015

Name of the IQAC Co-ordinator:

Dr. S M Rathod

Mobile:

9850501291

IQAC e-mail address:

agciqac@gmail.com

1.3 NAAC Track ID (For ex. MHCOGN 18879)

MHCOGN 10600

1.4 NAAC Executive Committee No. & Date:

(For Example EC/32/A&A/143 dated 3-5-2004.

This EC no. is available in the right corner- bottom of your institution's Accreditation Certificate)

EC(SC)/14/A&A/53 dated 29-3-2016

1.5 Website address:

www.mesgarwarecollege.org

Web-link of the AQAR:

<http://www.mesgarwarecollege.org/IQAC/AQAR20162017.pdf>

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	B+	-	2004	2004-10
2	2 nd Cycle	A	3.15	2010	2010-15
3	3 rd Cycle	A	3.25	2016	2016=21
4	4 th Cycle	-	-	-	-

1.7 Date of Establishment of IQAC : DD/MM/YYYY

01/06/2002

1.8 AQAR for the year (for example 2010-11)

2016-17

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	Date of submission
i) AQAR 2010	11 18.11.2011
ii) AQAR 2011	12 28.09.2012
iii) AQAR 2012	13 01.10.2014
iv) AQAR 2013	14 24.12.2014

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 ☒ No ☐

(eg. AICTE, BCI, MCI, PCI, NCI)

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*)

Savitribai Phule Pune University, Pune.

1.13 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

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

7

2.2 No. of Administrative/Technical staff

3

2.3 No. of students

0

2.4 No. of Management representatives

2

2.5 No. of Alumni

0

2.6 No. of any other stakeholder and
community representatives

0

2.7 No. of Employers/ Industrialists

0

2.8 No. of other External Experts

0

2.9 Total No. of members

12

2.10 No. of IQAC meetings held

05

2.11 No. of meetings with various stakeholders: 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)

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

Total Nos.

International

National

State

Institution Level

(ii) Themes

Nil

2.14 Significant Activities and contributions made by IQAC

Preparation of feedback form of teachers by students.

Institutional Award: Swayam Puruskar: Student of the term

Well being programme for administrative staff: Orientation trip to kolvan

Architectural audit of Main building by third party

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
1. Workshop for in-house M. Phil and Ph. D students on Applications of Mathematics and Statistics for research students	Department of Mathematics and Statistics jointly organized this workshop. The research students of Economics got idea about various Mathematical and Statistical techniques like differential equations, handling SCILAB as well as R-software and use of curve tracing

	in various Economic models.
2. Formulation of test for the identification of slow/weak learners	A survey was conducted by psychology department on sample size of 122 students of FYBA using Standard Progressive Matrices (SPM) to test IQ which was compared with term-end marks, and accordingly, 11 students were categorized as weak learners and 20 were categorized as Academically Demotivated Students and they were recommended for Remedial teaching and Motivation.
3. Preparation of e-content	A few teachers from electronics department have prepared e-content of their syllabus. However a workshop for e-content development to be organized for other departments of this college could not be arranged.
4. Continuation of Best Practices	The institution continues with its best practices.

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

2.15 Whether the AQAR was placed in statutory body Yes ☒ No ☐
 Management ☒ Syndicate ☐ Any other body ☐

Provide the details of the action taken

The AQAR (2016-17) was prepared with the help of the AQAR Committee of the College.

- The compiled AQAR was discussed at the IQAC Meeting held on 28/7/2018.
- A draft copy of the AQAR was sent to the Management of College for reference and approval.
- The AQAR was then posted on the college website and submitted to NAAC.

Part – B

Criterion – I

I. 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 programmes
PhD	6	0	0	0
PG	19	0	15	0
UG	20	1 BCA	3	0
PG Diploma	1	0	1	0
Advanced Diploma	0	0	0	0
Diploma	0	0	0	0
Certificate	2	0	2	0
Others M.Phil. Arts	3	0	3	0
Total	51	1	24	0
Interdisciplinary	2	0	2	0
Innovative	0	0	0	0

UG Arts	10
UG Science	10
PG Arts	10
PG Science	9
M.Phil Arts	3
M.Phil Science	0
Ph.D. Arts	2
Ph.D. Science	4
PGDFT	1
Certificate courses	2
Total	51

- 1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options: Core and CBCS
(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	39
Trimester	0
Annual	6

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

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

Nil

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

Nil

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
104	66	33	4	1 Principal

2.2 No. of permanent faculty with Ph.D.

66

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
8+8	29+25	0	0	0	0	0	0	16	21+17

Grant-in aid = 8 and self funded=8

2.4 No. of Guest and Visiting faculty and Temporary faculty

13

37

42

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
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2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	18	24	09
Presented papers	18	24	02
Resource Persons	07	19	05

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

Department of Microbiology and Department of Biotechnology use the online platforms Easyclass and Piazza respectively. These are available to all and are used for connecting students and teachers as virtual classrooms for academic discussions and conduct short tests.

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

242

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

- Open Book Tests.
- Bar Coding
- Photocopy
- Online entrance examination

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

13

2.10 Average percentage of attendance of students

73

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	343	12.91	37.72	20.5	15.44	86.57
B. Sc.	490	32.65	27.55	11.22	0	71.44
M.A	265	13.58	46.04	27.17	9.05	95.84
M.Sc.	298	24.16	51.34	12.75	0.7	88.93

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

- The IQAC monitors and evaluates the teaching learning process through the different committees formed such as Timetables, Examinations and Assessment schedules. These committees report directly to the Chairperson of the IQAC (Principal of the College).
- The teaching-learning process in the various departments of college is monitored by IQAC through meetings with the Heads of the Departments to discuss their teaching learning plan for year at the beginning of the year and takes a review at the end of the year.
- Examination results are compiled, evaluated and informed to the Principal at the end of the year. Interventions regarding improvement are made accordingly.

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	5
UGC – Faculty Improvement Programme	0
HRD programmes	6
Orientation programmes	0
Faculty exchange programme	0
Staff training conducted by the university	4
Staff training conducted by other institutions	1
Summer / Winter schools, Workshops, etc.	8
Others	1

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	101	17	1	0
Technical Staff	0	0	0	0

Criterion – III

3. Research, Consultancy and Extension

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

- Research has always been one of the strengths of the college.
- The Research Committee has been strengthened and active researchers included in this Committee.
- All research proposals are screened, approved and submitted to various funding agencies (UGC, SPPU, DST, ICMR and ISRO) for financial support.
- The research facilities are being upgraded continually

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	2	4	1	0
Outlay in Rs. Lakhs	20.21	431.70	10	0

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	4	16 (6 reported by dept)	5+mgbp	0
Outlay in Rs. Lakhs		14.15	5,025+5 Lac	0

3.4 Details on research publications

	International	National	Others
Peer Review Journals	26	7	0
Non-Peer Review Journals	0	0	0
e-Journals	0	0	0
Conference proceedings	1	4	0

3.5 Details on Impact factor of publications:

Range Average h-index Nos. in SCOPUS

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	2014-17	CSIR DBT,ISRO,MGVP,DST,UGC	18.92 429.27 L	47.6L
Minor Projects	2016-17	BCUD(SPPU),MGBP	10.25 15.35 L	18.5L
Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	-	-

Projects sponsored by the University/ College	-	-	-	-
Students research projects (other than compulsory by the University)	-	-	-	-
Any other(Specify)	-	-	-	-
Total	-	-	473.79	66.1L

3.7 No. of books published i) With ISBN No. Chapters in Edited Books

ii) Without ISBN No.

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

UGC-SAP CAS DST-FIST
DPE DBT Scheme/funds

3.9 For colleges Autonomy CPE DBT Star Scheme
INSPIRE CE Any Other (specify)
(DBT-PPP)

3.10 Revenue generated through consultancy

3.11 No. of conference

organized by the Institution

Level	International	National	State	University	College
Number	0	0	1	0	2
Sponsoring agencies	0	0	MHRD	0	UGC

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

3.13 No. of collaborations International National Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs:

From Funding agency From Management of University/College

Total

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	NIL
	Granted	NIL
International	Applied	NIL
	Granted	NIL
Commercialised	Applied	NIL
	Granted	NIL

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
2	0	0	0	2	0	0

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

16

31

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

3

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

JRF

3

SRF

1

Project Fellows

2

Any other

6

3.21 No. of students Participated in NSS events:

University level

57

State level

5

National level

1

International level

0

3.22 No. of students participated in NCC events:

University level

25

State level

2

National level

9

International level

0

3.23 No. of Awards won in NSS:

University level

1

State level

1

National level

0

International level

0

3.24 No. of Awards won in NCC:

University level

0

State level

0

National level

7

International level

0

3.25 No. of Extension activities organized

University forum	<input type="text"/>	College forum	<input type="text"/>	
NCC	<input type="text"/>	NSS	<input type="text" value="21"/>	Any other <input type="text"/>

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

Extension Activities:

- Street Play Competition
- Students Personality Development : Lekhak Tumachya Bhetila
- Staff Orientation Program
- Workshop on Laboratory Safety

Institutional Social Responsibility Activities

- Scholarship for Blind students
- Workshop on Intergeneration Bonding with Janseva Foundation
- Rojgar Melawa
- Participation in Women's Safety Rally
- Ek Muth Dhanya
- Voter Registration Campaign

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	8 acres	0	Not applicable	8 acres
Class rooms	42	0	0	42
Laboratories	40	0	0	40
Seminar Halls	2	0	0	2
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	10	2 1 Electronics 1 Biodiversity	BCUD Ramlingaswami Fellowship	12
Value of the equipment purchased during the year (Rs. in Lakhs)	38.6	7.43	BCUD Ramlingaswami Fellowship UGC College	46.03
Others	-	-		-

4.2 Computerization of administration and library

Vruddhi software is being used by the administrative section of the college, including the office for the management of the data regarding students, teachers, all Government Resolutions, roll calls, etc. and is made available to the Heads of Departments and all office bearers.

The applications for the admission to postgraduate courses is available On-line admission and is simplified using software and support provided by *EDUBRAIN*. This platform was also used to conduct online entrance examination for PG.

OPAC and SLIM software are used in the Library for accession records and inventory. The same has been made available to all heads of department.

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	1375	301200	329	52788	1704	353988
Reference Books	3273	1519896	895	424175	4168	1944071
e-Books	N-List 97000	102700	-	5750		108450
Journals	194	332990	30	56555	224	389545
e-Journals	4971	2146865	N-List	5750	N-List	5750
Digital Database	15	291070	--	--	--	--
CD & Video	337	114489.8 8	0	0	337	114489.88
Others (specify)	British Library	10000	10	8500	10	8500

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart- ments	Others
Existing	367	9	20 MBPS	3	0	40	301	26
Added	42*	0	0	0	0	0	42	0
Total	385	9	20 MBPS	3	0	40	319	26

* 18 computers were replaced and 6 written off.

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

NCC tree plantation
 NSS Village development
 Ganapati Police Mitra
 Traffic Awareness Program
 Student Interaction With Local Police on Tackling eve-teasing
 Self Defence Workshop for Girl Students
 Savitribai Phule Debate Competition

	Computers	Labs		Centres	Centres		ments	
Existing	367	9	20 MBPS	3	0	40	301	26
Added	42*	0	0	0	0	0	42	0
Total	385	9	20 MBPS	3	0	40	319	26

* 18 computers were replaced and 6 written off.

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

NCC tree plantation
NSS Village development
Ganapati Police Mitra
Traffic Awareness Program
Student Interaction With Local Police on Tackling eve-teasing
Self Defence Workshop for Girl Students
Savitribai Phule Debate Competition

4.6 Amount spent on maintenance in lakhs :

i) ICT

4.88L

ii) Campus Infrastructure and facilities

27.28L

iii) Equipments

11.9L

iv) Others

13.58L

Total :

57.7L

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

The IQAC in conjunction with the college office discussed the enhancement of student support services, that has led to refinement and smoothening of admission procedures (on-line), library facilities, examination procedures, canteen facilities, etc.

5.2 Efforts made by the institution for tracking the progression

Progression is tracked department-wise for postgraduate departments.

4.6 Amount spent on maintenance in lakhs :

i) ICT

488628

ii) Campus Infrastructure and facilities

2728270

iii) Equipments

1198846

iv) Others

1358881

Total :

5774625

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

The IQAC in conjunction with the college office discussed the enhancement of student support services, that has led to refinement and smoothening of admission procedures (on-line), library facilities, examination procedures, canteen facilities, etc.

5.2 Efforts made by the institution for tracking the progression

Progression is tracked department-wise for postgraduate departments.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others. M.Phil
2921	1088	45	54

(b) No. of students outside the state

86

(c) No. of international students

23

Men	No	%	Women	No	%
	2955	50.76		2867	49.24

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
2241	477	209	675	22	3624	2176	530	219	714	39	3678

Demand ratio 1:1

Dropout % NIL

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

1) Department of Mathematics has conducted lectures for IIT JAM examination and for SPPU entrance examinations. Mr. K. D. Masalkar of Department of Mathematics was the co-ordinator.

2) A lecture series of experts from off and on campus was arranged for the preparation of NET/SET examination jointly by Chemistry and Microbiology departments. Dr Niranjan Patil of Microbiology department was the co-ordinator.

No. of students beneficiaries

10 (Maths) + 50 (Chemistry +Microbiology)

5.5 No. of students qualified in these examinations

NET	1	SET/SLET	4	GATE	5	CAT	3
IAS/IPS etc	1	State PSC	-	UPSC	-	Others	3

5.6 Details of student counselling and career guidance

Every year the Psychology department does testing for career guidance. Students visit the departments along with their parents. The activities that are carried out are as follows. 1. Counselling 2. Psychological testing 3. Career guidance 4. Counselling after testing for students aptitude 5. Problem solving guidance.

No. of students benefitted

20

5.7 Details of campus placement

Number of Organizations Visited	On campus		Off Campus
	Number of Students Participated	Number of Students Placed	Number of Students Placed
75	800	400	NA

5.8 Details of gender sensitization programmes

Gender sensitization programs, especially for lady students is conducted through Nirbhaya committee, following programs were organised as a part of gender sensitization.

(1) Stree ani Kayda workshop on 2nd December 2016.

(2) Nirbhaya Din- 16 December 2016

(3) Mahila Raly-5th of January 2016.

(4) Swasanrakshan Karyashala- 4th of March 2017.

5.9 Students Activities

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

State/ University level National level International level

No. of students participated in cultural events

State/ University level National level International level

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

Sports : State/ University level National level International level

Cultural: State/ University level National level International level

5.10 Scholarships and Financial Support

	Number of Students	Amount
Financial support from institution		
1) (Maths department)	1) 1	1) 5000/-
2) (poor boys fund and earn and learn scheme)	2) 101	2) 764,975/-
Financial support from government	1182	9,350,714
Financial support from other sources	NIL	NIL
Number of students who received International/ National recognitions	NIL	NIL

5.11 Student organised / initiatives

Fairs : State/ University level National level International level

Exhibition: State/ University level National level International level

5.12 No. of social initiatives undertaken by the students

Youth Red Cross activities:

- River cleaning activity (Mula-Mutha) 45 students
- HIV Awareness Drive was conducted, wherein students have displayed posters regarding the same and it was open to all students for participation and visit. More than 25 students have presented poster.
- A movie followed by interactive sessions for students was arranged on gender equality by LOKAYAT, a NGO working in this area. Around 50 students have participated in this activity.

NSS

- Village developmental activities
- Volunteering as *Police Mitra* in the Ganesh Immersion Procession.

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

No major grievances were received from students. Minor ones regarding library facilities, infrastructure, teaching, office staff and others were redressed by the Grievance Redressal Committee.

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Our mission as an educational institution is to impart higher education for the development of academic excellence, character and personality of students; with a broader perspective of social, national, environmental and global commitment.

The objectives outlined are:

- To equip students with the necessary skills to compete in a technologically advanced global scenario.
- To provide an academic environment that reinforces appropriate social and cultural values.
- To provide research facilities which would promote the exploration in core areas related to traditional and contemporary fields of study.
- To provide value addition through co-curricular and extra-curricular activities.
- To enhance character development leading to national and global perspectives.
- To make education accessible to all sections of society.
- To sensitize students regarding environmental issues.

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

Development of curriculum basically is done by the university. However, teachers from both faculties contributes by getting involved in curriculum development at the University level. These teachers played a crucial role in adapting the curriculum to contemporary needs.

6.3.2 Teaching and Learning

Students, at the PG level because of the Credit System have shown better results. More interactive sessions, continuous assessment and feedback has resulted in this improvement. All courses have introduced project component which has improved experiential learning. Experiential learning was also encouraged through interactions with persons from industry. Student were encouraged to participate in State Level and University level Quiz and Debate competitions, Interactive sessions with outside experts through several programs (soft-skill development, elocutions and debates and interactions with scientists and academicians through different departmental associations and forums conducted by the college) were continued regularly to broaden students' perspective outside the common curriculum or prescribed syllabus.

6.3.3 Examination and Evaluation

As per the guidelines of SPPU, the college has a chief examination officer who looks after all the matter related to examination both internal and external. Besides, an examination committee is in place which helps for smooth conduction of all internal examinations. For the PG students we continue with the credit grade based performance and in this regard we conduct a regular internal examination in each semester for each PG course centrally, besides the continuous assessment modes like open book test, surprise test, seminars, group discussions etc are carried out by teachers. Several staff members are also involved in the examination related work assigned by SPPU.

6.3.4 Research and Development

- Research is the backbone and propeller of academic quality. Several of our teachers are actively engaged in quality research at the research centres of this college and the various research institutes in the vicinity. The teachers have also established collaborations and tie-ups with research institutes like NCI, ARAI, C-MET, SPPU, ISRO, NCCS etc where the graduate, post-graduate and Ph. D students along with faculty carry out research work for improvement of quality.
- Central instrumentation facilities and dedicated research laboratories have been developed to cater to researchers' needs.
- The faculty is involved in research resource generation by applying to several funding agencies which results into significant publication output, in terms of both quality and quantity.
- The faculty members are actively engaged in guiding students for Ph. D dissertations and projects for the PG and UG students.
- The faculty, Ph. D students of our research centre and the UG/PG students encouraged to attend International and national conferences/seminars/symposia to keep abreast with the current research and advancement in technology.
- Students are also encouraged to participate in State level research competitions such as the *AVISHKAR* (a research project competition conducted at the State level through the respective Universities).

6.3.5 Library, ICT and physical infrastructure / instrumentation

- Each year the library is updated by purchase of new books, journals, magazines, e-resources through the budgetary provision especially made for it.
- Library cataloguing and record keeping is all software based. Research literature is available on-line through the central library.
- On-line library access to all stakeholders is made available through providing passwords to each department to check library books and their availability.
- The office automation helps the college in all its critical procedures such as admissions which are on-line now and it also helps to manage and mobilize office records easily. The availability of internet network at all nodal points in the college (Office, Departments and Library) encourages use of ICT by teachers, students and the administrative staff for lectures, office work etc and smoothenes the process.
- Access of e-books, e-journals has become easier due to availability of internet network at all nodal points in the college. Lecture and Seminar competitions for students are arranged by several departments and students are encouraged to use ICT tools for them.
- Some departments use the network facility to download and show films of academic interest to the students.
- Dedicated hardware and software is now available at all points.

6.3.6 Human Resource Management

- A review of teaching and non teaching personnel is done each year and the deficiency, if any, is overcome by either appointments on temporary/regular basis or by interdepartmental transfer of non-teaching personnel. The whole process is regulated through the Principal, Registrar and the Heads of the respective departments.
- Communication to all personnel is achieved through the hierarchy of the college; Principal through the Vice Principals and Heads of Departments and Registrar to the staff (teaching and non-teaching)
- Various committees are managed by the appointment of in-charges from the faculty members.
- Departmental heads manage the personnel of their departments for various activities by conducting regular meetings.
- Performance of the newly appointed Teacher (especially those appointed for the self-financed programs) are assessed by the Principal and higher management for their continuance.
- Regular appreciation of the teaching and non-teaching personnel for their excellence in work, sports or other activities is done by the Principal on the occasions of Scholar's day, Gymkhana day.
- The excellence in the work is also appreciated by the management by instituting awards such as Best teacher and Best administrative staff awards. The faculty and the administrative staff selected is felicitated on the Foundation day of society in an august gathering comprising of the personnel of all the colleges and schools/institutions managed by the society in presence of all the Management and Governing members of the society.

6.3.7 Faculty and Staff recruitment

Faculty and staff recruitment is done as per State Government and SPPU Rules and Regulations. The Roster system is updated at each phase of recruitment. Proper advertisements are published for every post.

6.3.8 Industry Interaction / Collaboration

- Collaborations are facilitated through projects at departmental level.
- Interactions were facilitated more widely through Special Lectures, Memorial Lectures and alumni in industry, who helped the college with placement or counselling.

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6.3.9 Admission of Students

There is no separate and special strategy for admission of students. This has not been necessary because the college has not increased / decreased its student intake capacity.

- The process of admissions has been streamlined and made more student friendly through on-line applications and one-point checking and fees payment.
- Transparency in the admission procedure is maintained by regular notifications on the college website, of number of seats filled and available, throughout the admission process.
- For courses such as Physics, Chemistry, Biotechnology, Computer Science and Microbiology, counselling and help is available in the respective departments at all times.

6.4 Welfare schemes for

Teaching	*
Non teaching	*
Students	**

*. Teachers and non-teaching staff have the option of loans from the Maharashtra Education Society's Credit Society, which has been constituted for the purpose.

**. Students' welfare schemes include the GOI Scholarships and Freeships, Poor Boys Fund, Earn and Learn Scheme and endowment prizes.

6.5 Total corpus fund generated (FD)

19068986

6.6 Whether annual financial audit has been done

Yes

☒

No

☐

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19068986

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Yes

☒

No

☐

6.7 Whether Academic and Administrative Audit (AAA) has been done? No

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Nil	Nil	Nil	Nil
Administrative	Nil	Nil	Nil	Nil

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?

Not Applicable

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

Not Applicable

6.11 Activities and support from the Alumni Association

The Alumni activities are supported and conducted at the Departmental level.

6.12 Activities and support from the Parent – Teacher Association

Parent-Teacher meetings / activities are supported and conducted at the departmental level.
Department of Chemistry has conducted a Parent-Teacher meeting during this academic year

6.13 Development programmes for support staff: NIL

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

Eco-friendly measures include: .
Segregation of dry and wet waste
Separation of the broken glassware from the dry waste
Proper disposal of the biological material used for practical
Green campus (Green audit)
Clean' generators for power back-up
Vermicomposting of hostel waste

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.

Nil

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

- The IQAC strives to sustain the quality of earlier accreditation as well as design and plan the path towards the 4th Cycle of Accreditation.
- The curricular, co- curricular and extra-curricular activities has been planned and carried out as per the Key Aspects of revised accreditation process.
- The areas where improvement is needed have been identified.
- The college has decided on focusing on increasing good practices.
- Continuation of Best Practices has been stressed upon to encourage continuity

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

Pre-Placement Preparation Activity
In-house design and fabrication of circuit boards required for practicals

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

- 7.4 Contribution to environmental awareness / protection

- S.Y. B.A. / B.Sc. Students have a compulsory (Graded) course in Environmental Awareness.
- Vermicompositing is used as a method for treatment of food waste for the Hostel eateries.

- 7.5 Whether environmental audit was conducted? Yes

☐

No

☒

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

SWOT analysis:

Strengths:

- A Wide range of courses are available at both UG and PG level.
- Experiential and field based learning opportunity provided at some departments by carrying out projects and field based training.
- Maximum numbers of faculty are Ph. D holders

☐

7.5 Whether environmental audit was conducted? Yes

☐

No

☒

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

SWOT analysis:

Strengths:

- A Wide range of courses are available at both UG and PG level.
- Experiential and field based learning opportunity provided at some departments by carrying out projects and field based training.
- Maximum numbers of faculty are Ph. D holders
- Good research culture having state of the art Research Centres and researchers with large number of research projects.

Weakness:

- Limited space for physical expansion
- No Academic autonomy

Opportunities:

- Develop need and skill based add on courses.
- Design and operate interdisciplinary and on-line courses.

Threat:

- Motivating teachers to adopt various teaching-learning methodology other than conventional methods of lecturing.
- Sustenance of quality

8. Plans of institution for next year

To prepare a new, exhaustive feedback form of the teachers by the students

To collect Teaching Plan from each teacher and monitor its implementation

To increase consultancy and industrial collaborations by each department

To conduct interdisciplinary National/international conference on Higher Education

To have registered Alumni Association and Alumni Meet

Name Dr. S. M. Rathod



Signature of the Coordinator, IQAC

Name Dr. P. B. Buchade



Signature of the Chairperson, IQAC



Annexure I –: Academic Calendar 2016-17: Abasaheb Garware College, Pune.

Month	Activity
May 2016	Prospectus and application form printing for 2016-17
	Timetable formulation
	Meeting of the Admissions Committee (Admission Policy for 2016-17)
June 2016	Entrance examinations for postgraduate courses (Computer Science and Microbiology)
	Admissions to First Year and Second Year undergraduate Classes
	Meeting of the Timetable Committee to finalize College Timetables for 2016-17
June, 15, 2016	Commencement of Academic Year 2016-17
	Principal's address to staff
	Submission of research proposals to BCUD SPPU
July 2016	Compilation of Students Results for reporting to MES
	Admissions for Post Graduate Classes
	Commencement of M.Sc. classes
August 2016	Independence Day Celebrations
	University Paper setting
September 2016	Internal Examinations (Term I)
	Academic Awards (2016-17) Function
	Filling SPPU Examination Forms (Sem I / III)
October 2016	IQAC Meeting
	Internal Examinations Written for PG (Sem. I / III)

	University Examinations UG
	2.10.2016 Mahatma Gandhi Jayanti Holiday
	University Examinations UG
November 2016	University Examinations UG
	Diwali Vacation
	University Examinations PG
	Commencement of 2nd Term UG
December 2016	IQAC Meeting
	MSc Practical Examinations
	25.12.2016 Christmas Day Holiday
January 2017	Commencement of M. Sc. Sem II / IV
	<i>AGAM Kala Mandal</i> Annual Program
	IQAC Meeting
	Republic Day Celebrations
	Seminars & Workshops
	Declaration of SPPU Results for UG and PG
	26.01.2017 Republic Day Function
February 2017	10.02.2017 Savitribai Phule Pune University Foundation Day
	IQAC Meeting
	Internal Examinations (Term II)
	Seminars & Workshops
	Sports Day Function
	Filling SPPU Examination Forms (Sem II / IV)
March 2017	Practical Examinations UG
	Internal Examinations for PG

April 2017	SPPU Examinations for BSc
	Planning work committees for next academic year
	14.04.2017 Dr. Babasaheb Ambedkar Jayanti Holiday
May 02, 2017	End of Academic Year 2016-17

Annexure III – Analysis of Feedback:

Feedback from Stakeholders:

A regular verbal feedback is received from the stakeholders during our departmental Alumni meets. Various departments of our college holds regular alumni meets each year, stakeholders like parents and alumni do attend this meetings and a verbal feedback on curricular implementation and teachers are obtained in such meetings. Apart from this many of our alumni are invited for motivational talks and as judges for various activities during such discussion we get the overall feedback of teaching and infrastructural development,

Feedback from Employer:

Feedback from employers is obtained during the campus placement drive and also through the contacts of placement officer with various organizations. Since the employers are happy to recruit students from our college it itself is the feedback on our college teachers and their painstaking efforts to implement the curriculum as well as providing them the necessary skill required by such organizations. However, we do receive negative feedback in some cases which we take care to rectify it.

Feedback from Students:

Direct feedback from the student is very important with respect to teachers, curriculum implementation and infrastructure as they are the direct beneficiaries. A regular feedback from students is availed either verbally or manually and is discussed by the respective HODs with the concerned teachers. Negative responses if any, are dealt with appropriately.

Annexure III – Best Practices

Best Practice 1: Department of Computer Science

1. Title of the Practice: Pre-Placement Preparation Activity

2. Goal:

- To assist students develop/clarify their academic and career interests, and to set their short and long-term goals.
- To empower students with life-long career decision-making skills.
- To assist our students in obtaining final placement in reputed companies.

3. The Context:

Students of the Department of Computer Science are placed through the Placement Cell of the college, which was initiated by the department. Since there is a large competition for placement, the department started this activity to increase the chances of students of the department getting a placement in industry.

4. The Practice:

Staff Members from department take sessions on various subjects like C, C++, DS, OS, UML Diagrams and Databases etc. and also conduct tests on the same.

IT Experts are also invited to conduct lecture series on current trends in Information Technology and the contemporary requirements of prospective employees.

Sr. No.	Name of the resource person	Organization	Topics
1.	Mr. Parag Tamhankar	Computer Science Dept.	C, C++, Data Structures, Operating Systems
2.	Ms. Rasika Deshmukh	Computer Science Dept.	SQL queries, UML diagrams
3.	Mr. Aniket Khare	Bentley Systems	DotNet

Evidence of success:

There has been an increase in the number of students of the department being placed in IT industry.

Problems encountered and resources required:

- Timetable adjustments had to be made to accommodate this practice. If more time can be made available, this practice could be more productive.

Best Practice: 2 Department of Electronic Science

1. Title of the Practice: In-house design and fabrication of circuit boards required for practicals

2. Goal:

The aim of this practice is to design and make circuit boards in-house, required for different experiments for practical sessions at F. Y. B. Sc., S. Y. B. Sc. and T. Y. B. Sc. This activity is continual and additional features are added as per the requirement of the experiment. Design and development of such boards definitely inculcates the feeling of belonging. It also enriches practical knowledge of teachers as well as the laboratory supervisors. This activity is definitely a value addition for the department as all the staff members are proactively involved in it.

3. The Context:

Customized circuit boards are required for teaching undergraduate students of Electronic Science. Since such boards prove expensive (in the quantities needed), teachers of the department decided to design and make these boards.

These boards have to be prepared by considering the level of the students and class of the students for which it is designed. For new entrants (F.Y.B.Sc.) the boards are simple and identical to standard circuit diagrams.

For S.Y.B.Sc. and T.Y.B.Sc. students, the aim being to develop practical skills, they are asked to build the circuit on their own and make it work as per the requirement. Students therefore familiarize themselves with the components and soldering skills in this exercise. They can even debug the problems if required.

4. The Practice

The activity is carried out in following way:

1. The list of experiments is made for which boards are to be designed.
2. The teacher designs the circuit and assesses its feasibility.
3. The circuit is tested with designed components on *breadboard* and checked for any change in designed values.
4. Once circuit is finalized, the teacher decides the arrangement of components on the board considering the following aspects:
 - a. The class for which it is to be designed.
 - b. The mounting of components.
 - c. The size of the wooden board on which the components are to be mounted
 - d. Number of connecting terminals required
 - e. Requirement of display devices and their place of mounting
 - f. Then the circuit diagram is drawn on the board considering different positions of the of components on the board
 - g. The components are mounted on the upper surface of the board and all the interconnections are done at the back of the board.